

```
RESULT 2
US-09-651-200-4
; Sequence 4, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 4
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-4

Query Match          14.3%; Score 241.5; DB 4; Length 441;
Best Local Similarity 31.1%; Pred. No. 1,8e-13;
Matches 79; Conservative 37; Mismatches 113; Indels 25; Gaps 6;

OY 47 ETEVGAMGNSNVVLSCTIDPHRRHFNLSGLVYVWQIENPEVSTYLYPKSPGINVDSYK 106
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
DB 160 EDPVVALVGTDAITLRCFSPEPGFSLAQLNLIMQLTDTQLVHSFTGHDGQ----SAYA 215
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
OY 107 NRHGLSDSMKQGNFSLYKKNVTPODQTEFC---RVEPMNATELVKILEEYVRLRYAA 162
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
DB 216 NRTALFPDLAOGNASLRQRYVADSGFTCFVSIRDEGSA-----VSLQVAA 265
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
OY 163 NFSTPVIISTDSN--PGQERTYTCMSKNGYPEPNLYWINTDNLIDTALONNTVYLNK 220
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
DB 266 PYSKPSMTLEPNKDLRPPDVTITCSSYRGYPEAEVFMQDGGVPL--TGNVTTQSOMANE 323
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
OY 221 LGLYVISTLRPLMTRSGDYLCCVENVALHONTISISQAEFTGNTRKPOETHNELKY 280
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
DB 324 OGLEFVHSLRVLVGANGYSCLVNRPVLOQDAG---SVITIGQPMTFPEALMVTVGL 380
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
OY 281 LVPVLAVLAAAFV 294
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
DB 381 SVCLIALVLAFAV 394
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |

RESULT 3
US-09-651-200-6
; Sequence 6, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 6
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; LENGTH: 534
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-6

Query Match          14.3%; Score 241.5; DB 4; Length 534;
Best Local Similarity 31.1%; Pred. No. 2.4e-13;
Matches 79; Conservative 37; Mismatches 113; Indels 25; Gaps 6;

OY 47 ETEVGAMGNSNVVLSCTIDPHRRHFNLSGLVYVWQIENPEVSTYLYPKSPGINVDSYK 106
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
DB 253 EDPVVALVGTDAITLRCFSPEPGFSLAQLNLIMQLTDTQLVHSFTGHDGQ----SAYA 308
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
OY 107 NRHGLSDSMKQGNFSLYKKNVTPODQTEFC---RVEPMNATELVKILEEYVRLRYAA 162
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
DB 309 NRTALFPDLAOGNASLRQRYVADSGFTCFVSIRDEGSA-----VSLQVAA 358
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
OY 163 NFSTPVIISTDSN--PGQERTYTCMSKNGYPEPNLYWINTDNLIDTALONNTVYLNK 220
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
DB 359 PYSKPSMTLEPNKDLRPPDVTITCSSYRGYPEAEVFMQDGGVPL--TGNVTTQSOMANE 416
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
OY 221 LGLYVISTLRPLMTRSGDYLCCVENVALHONTISISQAEFTGNTRKPOETHNELKY 280
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
DB 417 OGLEFVHSLRVLVGANGYSCLVNRPVLOQDAG---SVITIGQPMTFPEALMVTVGL 473
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
OY 281 LVPVLAVLAAAFV 294
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
DB 474 SVCLIALVLAFAV 487
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |

RESULT 4
US-09-651-200-24
; Sequence 24, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 24
; LENGTH: 534
; TYPE: PRT
; ORGANISM: Unknown
; OTHER INFORMATION: Description of Unknown Organism: Sequence
; OTHER INFORMATION: mz5020.protein from Figure 4.
US-09-651-200-24

Query Match          14.3%; Score 241.5; DB 4; Length 534;
Best Local Similarity 31.1%; Pred. No. 2.4e-13;
Matches 79; Conservative 37; Mismatches 113; Indels 25; Gaps 6;

OY 47 ETEVGAMGNSNVVLSCTIDPHRRHFNLSGLVYVWQIENPEVSTYLYPKSPGINVDSYK 106
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
DB 253 EDPVVALVGTDAITLRCFSPEPGFSLAQLNLIMQLTDTQLVHSFTGHDGQ----SAYA 308
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
OY 107 NRHGLSDSMKQGNFSLYKKNVTPODQTEFC---RVEPMNATELVKILEEYVRLRYAA 162
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
DB 309 NRTALFPDLAOGNASLRQRYVADSGFTCFVSIRDEGSA-----VSLQVAA 358
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
OY 163 NFSTPVIISTDSN--PGQERTYTCMSKNGYPEPNLYWINTDNLIDTALONNTVYLNK 220
| : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
```

GenCore version 5.1.4.P5_4578
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OM protein - protein search, using sw model

Run on: May 24, 2003, 16:25:54 ; Search time 11.7439 Seconds
(without alignments)
806.735 Million cell updates/sec

Title: US-09-728-420C-7

Perfect score: 1687
Sequence: 1 MQLKPCFVSLGTQRPVWKK.....RPHRSYNGPKTVLELTDHA 322

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 2942292 residues

al number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA.*
1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep.*
2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep.*
3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep.*
4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep.*
5: /cgn2_6/ptodata/1/1aa/PCTUS.COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/Backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	241.5	14.3	340	4	US-09-651-200-2
2	241.5	14.3	441	4	US-09-651-200-4
3	241.5	14.3	534	4	US-09-651-200-6
4	241.5	14.3	534	4	US-09-651-200-24
5	181	10.7	329	4	US-09-651-200-19
6	177	10.5	299	4	US-09-651-200-15
7	175.5	10.4	323	4	US-09-651-200-21
8	175.5	10.4	323	5	PCT-US94-09642-2
9	175.5	10.4	329	2	US-08-456-104-2
10	175.5	10.4	329	2	US-08-101-624-2
11	175.5	10.4	329	3	US-08-479-744A-2
12	175.5	10.4	329	4	US-08-280-757B-2
13	175.5	10.4	329	4	US-08-205-697A-3
14	175.5	10.4	329	4	US-08-702-525-23
15	175.5	10.4	329	4	US-08-403-253A-4
16	175.5	10.4	329	5	PCT-US95-02576-23
17	175	10.4	303	4	US-09-651-200-23
18	175	10.4	309	2	US-08-456-104-4
19	175	10.4	309	3	US-08-479-744A-23
20	175	10.4	309	4	US-08-280-757B-23
21	175	10.4	309	4	US-08-205-697A-21
22	175	10.4	309	4	US-08-702-525-21
23	175	10.4	309	4	US-09-651-200-22
24	175	10.4	309	5	PCT-US95-02576-21
25	175	10.4	314	4	US-08-205-697A-13
26	175	10.4	314	4	US-08-702-525-13
27	175	10.4	314	5	PCT-US95-02576-13

28	175	10.4	325	4	US-09-651-200-20	Sequence 20, Appl
29	172.5	10.2	329	4	US-09-651-200-18	Sequence 18, Appl
30	169	10.0	282	4	US-09-651-200-16	Sequence 16, Appl
31	165	9.8	288	4	US-09-651-200-14	Sequence 14, Appl
32	162	9.6	473	4	US-09-171-945-131	Sequence 131, App
33	160	9.5	288	4	US-08-147-772-2	Sequence 2, Appl1
34	160	9.5	288	2	US-08-456-104-6	Sequence 6, Appl1
35	160	9.5	288	2	US-08-101-624-23	Sequence 23, Appl
36	160	9.5	288	2	US-08-751-767A-6	Sequence 6, Appl1
37	160	9.5	288	3	US-08-153-262-2	Sequence 2, Appl1
38	160	9.5	288	3	US-08-479-744A-29	Sequence 29, Appl
39	160	9.5	288	4	US-08-280-757B-29	Sequence 29, Appl1
40	160	9.5	288	4	US-09-159-135-2	Sequence 2, Appl1
41	160	9.5	288	4	US-08-205-697A-19	Sequence 19, Appl
42	160	9.5	288	4	US-08-702-525-19	Sequence 19, Appl
43	160	9.5	288	4	US-09-450-798-2	Sequence 2, Appl1
44	160	9.5	288	4	US-08-403-253A-2	Sequence 2, Appl1
45	160	9.5	288	4	US-09-651-200-13	Sequence 13, Appl

ALIGNMENTS

RESULT 1
US-09-651-200-2

Sequence 2, Application US/09651200
Patent No. 6429303

GENERAL INFORMATION:
APPLICANT: Green et al

TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
Lymphocyte Activation Antigen B-7 Family and

TITLE OF INVENTION: Polypeptides Activation Antigen B-7 Family and
FILE REFERENCE: 15966-562 (CURA-62)

CURRENT APPLICATION NUMBER: US/09/651,200
PRIOR APPLICATION NUMBER: 60/152383

PRIOR FILING DATE: 1999-09-03
PRIOR APPLICATION NUMBER: 60/172909

PRIOR FILING DATE: 1999-12-21
PRIOR APPLICATION NUMBER: 60/183578

PRIOR FILING DATE: 2000-02-18
NUMBER OF SEQ ID NOS: 25

SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2

LENGTH: 340
TYPE: PRT

ORGANISM: Homo sapiens
US-09-651-200-2

Query Match 14.3%; Score 241.5; DB 4; Length 340;
Best Local Similarity 31.1%; Pred. No. 1.2e-13;

Matches 79; Conservative 37; Mismatches 113; Indels 25; Gaps 6;

QY	47	ETEVGAVGNSVNVLSICDIPHRHRHNLGSLVYVWQIENPEVSVIYLPYKSPGIVDSSYK 106
DB	59	EDPVVALGTIDTADHCSPEPGFSLTQNLIMQTLTKQLVHFTGROG-----SAYA 114
QY	107	NRGHLSDSMQGNPSLYLKNVTPQDQEFHC-----RVPMNTAFELVKILIEVYRLVAA 162
DB	115	NRTALFPPLAQGNASLRLQVRVYADBSGFCFVSYINDFGSAA-----VSLDYAA 164
QY	163	NFSPVISTDSSN--PQOERTYTCMSKNGYPERNLWINTTNSLIDTALQNNVTYLNK 220
DB	165	PYSKPSMTLEENKDLRPEDVTITICSSGYPALAEVFMQGGVPL--TGVVTTSQMANE 222
QY	221	LGIVDIVSTLRLEPMTSRGDIVLCYENVALHONITISQAESFTGNNTKNPOETHNNELKV 280
DB	223	QGLDFVSHVLRVVLGANGTVSCLVRNPVYLQDAGH-----SVLTIGQPMTFPEALMTVTVGL 279
QY	281	LVPVLAIVAAAFV 294
DB	280	SVCLIALVLAFAV 293

QY 241 LCCVENVALHONITSISQAESFTGNNTKPNQETHNNELKVLVPLVLAALAAAFVSFIYR 300
Db 241 LCCVENVALHONITSISQAESFTGNNTKPNQETHNNELKVLVPLVLAALAAAFVSFIYR 300
QY 301 RTRPRRSTGPKTVOLELTDHA 322
Db 301 RTRPRRSTGPKTVOLELTDHA 322

RESULT 2

US-09-866-050A-664
; Sequence 664, Application US/09866050A
; Publication No. US20030040471A1
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murlison, James G.
; TITLE OF INVENTION: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; FILE REFERENCE: 11000.1011c4u
; CURRENT APPLICATION NUMBER: US/09/866.050A
; CURRENT FILING DATE: 2001-05-24
; NUMBER OF SEQ ID NOS: 725
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 664
; LENGTH: 307
; TYPE: PRT
; ORGANISM: Rat
US-09-866-050A-664

Query Match 60.0%; Score 1013; DB 9; Length 307;
Best Local Similarity 68.6%; Pred. No. 8.8e-67;
Matches 208; Conservative 28; Mismatches 59; Indels 8; Gaps 6;

QY 27 FFGSGLELLLSLSCAASAEFTGVAGWNSVLSCTDPHRRHNLGLVYWOI-ENDE 85
Db 6 FFGSGLELLLSLSCAASAEFTGVAGWNSVLSCTDPHRRHNLGLVYWOI-ENDE 85
QY 86 VSVTYVLP--YKSPGINVDSYKNGHLSIDSMKQGNFSLYKNTPODQEFCTRVFAN 143
Db 66 TVVTVYLLPSANESSITHNSNSTRKRAHLSPLDKMGDFSLHONTVPDQTOEFKCLVF-R 124
QY 144 TATELVKILEEYVRLVLANFSTPVISTSSNPGQERTYTMCKNGYEPENLWINTTD 203
Db 125 MSTVGLKALEEVRLRVANFSTPVISTSSNPGQERTYTMCKNGYEPENLWINTTD 184
QY 204 NSLIDTALONTTVYINKIGLDVISTLRIPWTSRGDVLCCVENVALHONITSISQAESFT 263
Db 185 NTLIDETLONTTVYINKIGLDVISTLRIPWTSRGDVLCCVENVALHONITSISQAESFT 244
QY 264 GN-NTKNPOETHNNELKVLVPLVLAALAAAFVSFI--YR-RTRPRRSTGPKTVOLELT 319
Db 245 GSMATERQOEIHKRETKVLFALALLAVVVVIFLIVLRKRRCRCQSTGPRAVOLELT 304
QY 320 DHA 322
Db 305 DHS 307

RESULT 3

US-09-789-561-136
; Sequence 136, Application US/09789561
; Patent No. US20020064818A1
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 52 Human secreted proteins
; FILE REFERENCE: P2043P1
; CURRENT APPLICATION NUMBER: US/09/789.561
; CURRENT FILING DATE: 2001-02-22

; PRIOR APPLICATION NUMBER: PCT/US00/24008
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/152,317
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/152,315
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 136
; LENGTH: 302
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (128)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-789-561-136

Query Match 35.6%; Score 600.5; DB 10; Length 302;
Best Local Similarity 46.2%; Pred. No. 1.4e-36;
Matches 140; Conservative 40; Mismatches 102; Indels 21; Gaps 8;

QY 32 GLFLLLSLSCAASAEFTGVAGWNSVLSCTDPHRRHNLGLVYWOIENPEVSATY 91
Db 7 GLFLLFSLRADQEKERAWGSDVLSACPGSGRFLDVIYVWOTSEKTVYTH 66
QY 92 LPKSPGINVDSYKNGHLSIDSMKQGNFSLYKNTPODQEFCTRVFENATATLYKI 151
Db 67 IPQNSLENDVDRYRNRALMSFAGMLRGDFSLRPNVTPQDQKFCV-LTQSIGQFV 125
QY 152 LEEVRLKRAANFSTPVISTSSNPGQ-ERTYTMCKNGYEPENLWINTDNLIDPA 210
Db 126 LSXEVTLHVAANFVSVVAPHS--PSODELFTCTSTINGYRPVNVWINKTDNSLDDA 183
QY 211 LONTTVYINKIGLDVISTLRIPWTSRGDVLCCVENVALHONITSISQAESFTGN 266
Db 184 LONTTVYINKIGLDVISTLRIPWTSRGDVLCCVENVALHONITSISQAESFTGN 239
QY 267 --YKSPGINVDSYKNGHLSIDSMKQGNFSLYKNTPODQEFCTRVFENATATLYKI 318
Db 240 DKITENPVSSTGKNAATWSILAVLICLLVVAIVAGWCHDRLQH-SYGAWAASPETEL 298
QY 319 TDH 321
Db 299 TGH 301

RESULT 4

US-10-091-438-212
; Sequence 212, Application US/10091438
; Publication No. US2003007606A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P0171C1
; CURRENT APPLICATION NUMBER: US/10/091.438
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,879
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,886
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/217,487
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,758
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,963
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/217,496
; PRIOR FILING DATE: 2000-07-11

GenCore version 5.1.4.p5.4578
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 24, 2003, 16:36:40 ; Search time 16.3868 seconds
(without alignments)
1948.743 Million cell updates/sec

Title: US-09-728-420C-7
Perfect score: 1687
Sequence: 1 MOLKPCFVSLGTRQPVWKK.....RPHRSYTGKTVQLELTDHA 322

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 375593 seqs, 99172665 residues

al number of hits satisfying chosen parameters: 375593

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published_Applications_AA: *
1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep: *
2: /cgn2_6/ptodata/2/pubpaa/PC1_NEW_PUB.pep: *
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4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep: *
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6: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep: *
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8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep: *
9: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep: *
10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep: *
11: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep: *
12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep: *
13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep: *
14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1687	100.0	322	US-09-910-174A-29	Sequence 29, App1
2	1013	60.0	307	US-09-866-050A-664	Sequence 664, App
3	600.5	35.6	302	US-09-789-561-136	Sequence 136, App
4	600.5	35.6	344	US-10-091-438-212	Sequence 212, App
5	599.5	35.5	344	US-09-764-853-812	Sequence 812, App
6	599.5	35.5	302	US-09-896-738-13	Sequence 13, App1
7	599.5	35.5	302	US-09-955-866-7	Sequence 7, App1
8	598.5	35.5	302	US-09-915-789A-18	Sequence 18, App1
9	598.5	35.5	343	US-09-764-853-330	Sequence 630, App
10	598.5	35.5	345	US-10-091-438-210	Sequence 210, App
11	598.5	35.5	345	US-09-764-853-810	Sequence 810, App
12	598.5	35.5	370	US-10-091-438-150	Sequence 150, App
13	594.5	35.2	309	US-09-910-174A-7	Sequence 7, App1
14	550.5	32.6	241	US-09-915-789A-11	Sequence 11, App1
15	249	14.8	316	US-09-790-622-4	Sequence 4, App1
16	249	14.8	316	US-09-789-561-135	Sequence 135, App
17	247	14.6	316	US-09-978-295A-137	Sequence 137, App
18	247	14.6	316	US-09-896-738-14	Sequence 14, App1
19	247	14.6	316	US-09-978-697-137	Sequence 137, App

20	247	14.6	316	9	US-09-978-192A-137	Sequence 137, App
21	247	14.6	316	9	US-09-999-832A-137	Sequence 137, App
22	247	14.6	316	9	US-09-978-189-137	Sequence 137, App
23	247	14.6	316	9	US-10-174-590-54	Sequence 54, App1
24	247	14.6	316	9	US-10-176-758-54	Sequence 54, App1
25	247	14.6	316	9	US-10-175-737-54	Sequence 54, App1
26	247	14.6	316	9	US-10-173-706-54	Sequence 54, App1
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28	247	14.6	316	9	US-10-175-752-54	Sequence 54, App1
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30	247	14.6	316	9	US-10-176-757-54	Sequence 54, App1
31	247	14.6	316	9	US-10-176-913-54	Sequence 54, App1
32	247	14.6	316	9	US-10-180-532-54	Sequence 54, App1
33	247	14.6	316	9	US-10-180-557-54	Sequence 54, App1
34	247	14.6	316	9	US-10-173-700-54	Sequence 54, App1
35	247	14.6	316	9	US-10-174-572-54	Sequence 54, App1
36	247	14.6	316	9	US-10-174-579-54	Sequence 54, App1
37	247	14.6	316	9	US-10-174-582-54	Sequence 54, App1
38	247	14.6	316	9	US-10-174-588-54	Sequence 54, App1
39	247	14.6	316	9	US-10-175-739-54	Sequence 54, App1
40	247	14.6	316	9	US-10-175-740-54	Sequence 54, App1
41	247	14.6	316	9	US-10-175-743-54	Sequence 54, App1
42	247	14.6	316	9	US-10-176-488-54	Sequence 54, App1
43	247	14.6	316	9	US-10-176-492-54	Sequence 54, App1
44	247	14.6	316	9	US-10-176-747-54	Sequence 54, App1
45	247	14.6	316	9	US-10-176-750-54	Sequence 54, App1

ALIGNMENTS

RESULT 1
US-09-910-174A-29
Sequence 29, Application US/0910174A
Patent No. US20020106730A1
GENERAL INFORMATION:
APPLICANT: Coyle, Anthony J.
APPLICANT: Fraser, Christopher C.
TITLE OF INVENTION: B7-H2 Molecules, No. US20020106730A1 Members of the B7
TITLE OF INVENTION: Family and Uses Thereof
FILE REFERENCE: 35800/236924
CURRENT APPLICATION NUMBER: US/09/910,174A
PRIOR FILING DATE: 2001-07-20
CURRENT FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 32
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 29
LENGTH: 322
TYPE: PRT
ORGANISM: Mus musculus
US-09-910-174A-29

Query Match 100.0%; Score 1687; DB 10; Length 322;
Best Local Similarity 100.0%; Pred. No. 4e-116;
Matches 322; Conservative 0; Mismatches 0; Indels 0; Caps 0;

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DB 61 SCIDPHRHFNLSGLYVWQJENFEVSVTYLLPKKSPGINVDSYKKNRGHSLDSMQGN 120
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DB 181 RTTCMSKNGYPERPLVYINTDNLSDLPALQNNTVYLKGLGVDVISTLRPLPTSGDV 240

GenCore version 5.1.4.p5.4578
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OM protein - protein search, using sw model

Run on: May 24, 2003, 16:36:40 ; Search time 14.6565 seconds

(without alignments)
1948.743 Million cell updates/sec

Title: US-09-728-420C-12

Perfect score: 1495
Sequence: 1 MRGSPGLLFLLFSSLRADT.....VAVAIGWVCRDRLQHSVAG 288Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 375593 seqs, 99172665 residues

al number of hits satisfying chosen parameters: 375593

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published_Applications_AA:*

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13: /cgn2_6/ptodata/2/pubpaa/US60_NEM_PUB pep: *
14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1495	100.0	302	9	US-09-896-738-13
2	1495	100.0	302	9	US-09-955-866-7
3	1495	100.0	309	10	US-09-910-174A-7
4	1494	99.9	302	9	US-09-915-789A-18
5	1494	99.9	343	10	US-09-764-853-630
6	1494	99.9	345	9	US-10-091-438-210
7	1494	99.9	345	10	US-09-764-853-810
8	1494	99.9	370	9	US-10-091-438-150
9	1490	99.7	302	10	US-09-789-561-136
10	1490	99.7	344	9	US-10-091-438-212
11	1480	99.7	344	10	US-09-764-853-812
12	1248	83.5	241	9	US-09-915-789A-11
13	673.5	43.1	307	9	US-09-866-050A-664
14	588.5	39.4	322	10	US-09-910-174A-29
15	294.5	19.7	316	9	US-09-915-789A-1
16	294.5	19.7	316	9	US-10-077-023-13
17	294.5	19.7	316	9	US-10-156-424A-2
18	294.5	19.7	316	9	US-10-156-424A-28
19	294.5	19.7	316	10	US-09-875-338-13

20	294.5	19.7	316	10	US-09-910-174A-24	Sequence 24, Appl
21	293.5	19.6	316	9	US-10-077-023-11	Sequence 11, Appl
22	293.5	19.6	316	10	US-09-875-338-11	Sequence 11, Appl
23	292.5	19.6	316	9	US-09-915-789A-3	Sequence 3, Appl
24	290.5	19.4	316	9	US-09-978-295A-137	Sequence 137, App
25	290.5	19.4	316	9	US-09-896-738-14	Sequence 14, Appl
26	290.5	19.4	316	9	US-09-978-697-137	Sequence 137, App
27	290.5	19.4	316	9	US-09-978-192A-137	Sequence 137, App
28	290.5	19.4	316	9	US-09-999-832A-137	Sequence 137, App
29	290.5	19.4	316	9	US-09-790-622-4	Sequence 4, Appl
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31	290.5	19.4	316	9	US-10-174-590-54	Sequence 54, Appl
32	290.5	19.4	316	9	US-10-176-758-54	Sequence 54, Appl
33	290.5	19.4	316	9	US-10-175-737-54	Sequence 54, Appl
34	290.5	19.4	316	9	US-10-173-706-54	Sequence 54, Appl
35	290.5	19.4	316	9	US-10-175-738-54	Sequence 54, Appl
36	290.5	19.4	316	9	US-10-175-752-54	Sequence 54, Appl
37	290.5	19.4	316	9	US-10-176-482-54	Sequence 54, Appl
38	290.5	19.4	316	9	US-10-176-757-54	Sequence 54, Appl
39	290.5	19.4	316	9	US-10-176-913-54	Sequence 54, Appl
40	290.5	19.4	316	9	US-10-180-552-54	Sequence 54, Appl
41	290.5	19.4	316	9	US-10-180-557-54	Sequence 54, Appl
42	290.5	19.4	316	9	US-10-173-700-54	Sequence 54, Appl
43	290.5	19.4	316	9	US-10-174-572-54	Sequence 54, Appl
44	290.5	19.4	316	9	US-10-174-579-54	Sequence 54, Appl
45	290.5	19.4	316	9	US-10-174-582-54	Sequence 54, Appl

ALIGNMENTS

RESULT 1
US-09-896-738-13
Sequence 13, Application US/09896738
Patent No. US20020165347A1
GENERAL INFORMATION:
APPLICANT: Fox, Michael
APPLICANT: Sullivan, John K.
TITLE OF INVENTION: B7-Like Molecules and Uses Thereof
FILE REFERENCE: 00-513-A
CURRENT APPLICATION NUMBER: US/09/896,738
CURRENT FILING DATE: 2001-06-29
PRIOR APPLICATION NUMBER: 60/215,645
PRIOR FILING DATE: 2000-06-30
NUMBER OF SEQ ID NOS: 23
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 13
LENGTH: 302
TYPE: PRT
ORGANISM: Homo sapiens
US-09-896-738-13

Query Match	100.0%	Score 1495;	DB 9;	Length 302;
Best Local Similarity	100.0%;	Pred. No. 4.2e-117;		
Matches 288;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY 1	MRGSPGLLFLLFSSLRADTQEKFRVAVGSDVELSCACPGSRFDLNDVYVWQTSK 60			
DB 1	MRGSPGLLFLLFSSLRADTQEKFRVAVGSDVELSCACPGSRFDLNDVYVWQTSK 60			
QY 61	TVVTYTHIQNSLSLEVDSDRYRNRALMSGFSLRLFNVPPODEQKFCVLQSOL 120			
DB 61	TVVTYTHIQNSLSLEVDSDRYRNRALMSGFSLRLFNVPPODEQKFCVLQSOL 120			
QY 121	GFOEVLSEVTLHVAANSVPVPSAPHSODELFTCTSTNGYPRPNVYVWINKTDSL 180			
DB 121	GFOEVLSEVTLHVAANSVPVPSAPHSODELFTCTSTNGYPRPNVYVWINKTDSL 180			
QY 181	DOALNDVFLPMRGLVYVSVLRARTPPSYNGICCTENYVLOONLVGSGQNDIGERD 240			
DB 181	DOALNDVFLPMRGLVYVSVLRARTPPSYNGICCTENYVLOONLVGSGQNDIGERD 240			

Qy 241 KITEMPVSTGEKNAATWSILAVCLLVYVAVAIGWVCBDRCLQHSYAG 288
Db 241 KITEMPVSTGEKNAATWSILAVCLLVYVAVAIGWVCBDRCLQHSYAG 288

RESULT 2

US-09-955-866-7
; Sequence 7, Application US/09955866
; Patent No. US20020107363A1
; GENERAL INFORMATION:
; APPLICANT: Fox, Michael
; APPLICANT: Sullivan, John K.
; APPLICANT: Holst, Paige
; APPLICANT: Yoshinaga, Steven Kiyoshi
; TITLE OF INVENTION: B7-Like Polypeptides and Uses Thereof
; FILE REFERENCE: 00,759-A
; CURRENT APPLICATION NUMBER: US/09/955,866
; PRIOR FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/233,867
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 7
; LENGTH: 302
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-955-866-7

Query Match

Best Local Similarity 100.0%; Score 1495; DB 10; Length 302;
Matches 288; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MRLGSPGLLEFLFSSLRADTQEKVRAMVSGDVELSCACPEGSREFDLNDVYVYVWQTSSEK 60
Qy 61 TVVYTHIPQNSSLENDVSRYNRRLALMSGDLSRLFNVTPODEOKFHCLVLSQSL 120
Db 61 TVVYTHIPQNSSLENDVSRYNRRLALMSGDLSRLFNVTPODEOKFHCLVLSQSL 120
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Db 121 GFOEVLSEVTLHVAANFSVPVVSAPHSODELFTCTCSINGYPRPNVYVWINKTDSNL 180
Qy 181 DOALONDVFLNMRGLYDVYSVLRIARTPSVNICGCIENVLLOQNLTVGSQGTGNDIGERD 240
Db 181 DOALONDVFLNMRGLYDVYSVLRIARTPSVNICGCIENVLLOQNLTVGSQGTGNDIGERD 240
Qy 241 KITEMPVSTGEKNAATWSILAVCLLVYVAVAIGWVCBDRCLQHSYAG 288
Db 241 KITEMPVSTGEKNAATWSILAVCLLVYVAVAIGWVCBDRCLQHSYAG 288

RESULT 3

US-09-910-174A-7
; Sequence 7, Application US/09910174A
; Patent No. US20020106730A1
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. US20020106730A1 Members of the B7
; TITLE OF INVENTION: Family and Uses Thereof
; FILE REFERENCE: 35800/236924
; CURRENT APPLICATION NUMBER: US/09/910,174A
; PRIOR FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/620,461
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 309
; TYPE: PRT

; ORGANISM: Homo sapiens
US-09-910-174A-7

Query Match 100.0%; Score 1495; DB 10; Length 309;
Best Local Similarity 99.7%; Pred. No. 5,1e-117;
Matches 288; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Db 61 TVVYTHIPQNSSLENDVSRYNRRLALMSGDLSRLFNVTPODEOKFHCLVLSQSL 120
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Db 121 GFOEVLSEVTLHVAANFSVPVVSAPHSODELFTCTCSINGYPRPNVYVWINKTDSNL 180
Qy 181 DOALONDVFLNMRGLYDVYSVLRIARTPSVNICGCIENVLLOQNLTVGSQGTGNDIGERD 240
Db 181 DOALONDVFLNMRGLYDVYSVLRIARTPSVNICGCIENVLLOQNLTVGSQGTGNDIGERD 240
Qy 241 KITEMPVSTGEKNAATWSILAVCLLVYVAVAIGWVCBDRCLQHSYAG 288
Db 241 KITEMPVSTGEKNAATWSILAVCLLVYVAVAIGWVCBDRCLQHSYAG 288

RESULT 4

US-09-915-789A-18
; Sequence 18, Application US/09915789A
; Patent No. US20020168762A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Lieping
; TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATOR
; FILE REFERENCE: 07039-219001
; CURRENT APPLICATION NUMBER: US/09/915,789A
; PRIOR FILING DATE: 2002-06-04
; PRIOR APPLICATION NUMBER: US 60/220,991
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 302
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-915-789A-18

Query Match 99.9%; Score 1494; DB 9; Length 302;
Best Local Similarity 99.7%; Pred. No. 5,1e-117;
Matches 287; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy 61 TVVYTHIPQNSSLENDVSRYNRRLALMSGDLSRLFNVTPODEOKFHCLVLSQSL 120
Db 61 TVVYTHIPQNSSLENDVSRYNRRLALMSGDLSRLFNVTPODEOKFHCLVLSQSL 120
Qy 121 GFOEVLSEVTLHVAANFSVPVVSAPHSODELFTCTCSINGYPRPNVYVWINKTDSNL 180
Db 121 GFOEVLSEVTLHVAANFSVPVVSAPHSODELFTCTCSINGYPRPNVYVWINKTDSNL 180
Qy 181 DOALONDVFLNMRGLYDVYSVLRIARTPSVNICGCIENVLLOQNLTVGSQGTGNDIGERD 240
Db 181 DOALONDVFLNMRGLYDVYSVLRIARTPSVNICGCIENVLLOQNLTVGSQGTGNDIGERD 240
Qy 241 KITEMPVSTGEKNAATWSILAVCLLVYVAVAIGWVCBDRCLQHSYAG 288
Db 241 KITEMPVSTGEKNAATWSILAVCLLVYVAVAIGWVCBDRCLQHSYAG 288

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RESULT 5
US-09-764-853-630
; Sequence 630, Application US/09764853
; Patent No. US20020090672A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P1206
; CURRENT APPLICATION NUMBER: US/09/764,853
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 939
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 630
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-853-630
Query Match          99.9% Score 1494; DB 10; Length 343;
Best Local Similarity 99.7%; Pred. No. 5,9e-117;
Matches 287; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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DB 102 TVVTVTHIPNSSLNENDSRYRRALMSRPGMLRGDFSLRLFVTVTQDEQKFCGLVLSQSL 161
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DB 222 DQALQNDTVFLNKGILYDVVSVLRLARFPSVNIQCCIEVLLQNLTVGSQGTGNDIGERD 281
QY 241 KITENPVSTGEKNAATWLSILAVLCILVYVAIVAGWCRRCRCHSHAG 288
DB 282 KITENPVSTGEKNAATWLSILAVLCILVYVAIVAGWCRRCRCHSHAG 329

RESULT 6
US-10-091-438-210
Sequence 210, Application US/10091438
Publication No. US20030077606A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P1217C1
; CURRENT APPLICATION NUMBER: US/10/091,438
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,879
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,886
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/217,487
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,758
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,963
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/217,496
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,447
; PRIOR FILING DATE: 2000-08-14
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; PRIOR APPLICATION NUMBER: 60/218,290
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/225,757
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/226,868
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/216,647
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,267
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/216,880
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,270
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/251,869
; PRIOR FILING DATE: 2000-12-08
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; PRIOR FILING DATE: 2000-09-27
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; PRIOR APPLICATION NUMBER: 60/228,924
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/224,518
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/236,369
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/224,519
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,964
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/241,809
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/249,239
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; PRIOR APPLICATION NUMBER: 60/236,327
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/241,785
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/244,617
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: 60/225,268
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/236,368
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/251,856
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/251,868
; PRIOR FILING DATE: 2000-12-08
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Query Match 99.9%; Score 1494; DB 9; Length 345;
Best Local Similarity 99.7%; Pred. No. 6e-117;
Matches 287; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGSPGLFLFLFSLRADTQKEKVRAMGSDVELSCACPEGSRFDLNDVYYWQTSSEK 60
DB 44 MRGSPGLFLFLFSLRADTQKEKVRAMGSDVELSCACPEGSRFDLNDVYYWQTSSEK 103
QY 61 TTVYTHIPQNSLENDSDRYNRALMSPAGMLRGDFSRLFNVTPODEQKFLCLVLSQSL 120
DB 104 TTVYTHIPQNSLENDSDRYNRALMSPAGMLRGDFSRLFNVTPODEQKFLCLVLSQSL 163
QY 121 GFQGVLSVEVTLVVAANFSPVVSAPHSPODELFTCTISINQPRPNYWKNTNSLL 180
DB 164 GFQGVLSIEVTLVVAANFSPVVSAPHSPODELFTCTISINQPRPNYWKNTNSLL 223
QY 181 DQALQNDTVEFLNMGLYDVVSVLRARTPSVNICCIENYLLQONTLVGSQGTNDIGERD 240
DB 224 DQALQNDTVEFLNMGLYDVVSVLRARTPSVNICCIENYLLQONTLVGSQGTNDIGERD 283
QY 241 KITENPSTGEKNAATWSILAVICLVYVAVAIGWCRDRCLDHSYAG 288
DB 284 KITENPSTGEKNAATWSILAVICLVYVAVAIGWCRDRCLDHSYAG 331

RESULT 7
US-09-764-853-810
; Sequence 810, Application US/09764853
; Patent No. US2002090672A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P0206
; CURRENT APPLICATION NUMBER: US/09/764,853
; PRIOR APPLICATION DATA REMOVED - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 939
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 810
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-853-810


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Query Match          99.98; Score 1494; DB 10; Length 345;
Best Local Similarity 99.7%; Pred.No. 66-117;
Matches 287; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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DB 44 MRIGSGGLFLEFSSLRATQOEKVVAAAGSDVELSCAPEGSRFDLNDVYVWQTSSEK 103
    |||||||

QY 61 TVVTHIPONSSLENDSTRNRNALMSPAGMLRGDSLSLFPVTPODECKFCIVLSOSL 120
    |||||||
DB 104 TVVTHIPONSSLENDSTRNRNALMSPAGMLRGDSLSLFPVTPODECKFCIVLSOSL 163
    |||||||

QY 121 GFOEVLSEVETLVAAAFSVPVVSAHPSPODELFTCTGTSINGYPRPNVYWKTDNSLL 180
    |||||||
DB 164 GFOEVLSEVETLVAAAFSVPVVSAHPSPODELFTCTGTSINGYPRPNVYWKTDNSLL 223
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QY 181 DQALQNDYFELNMRGLYDVVSVLRIRKRTSVNIGCCIEVNLQONLTVSSQTDGNDIGERD 240
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DB 224 DQALQNDYFELNMRGLYDVVSVLRIRKRTSVNIGCCIEVNLQONLTVSSQTDGNDIGERD 283
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241 KITEENPVSTGEKNAATWSTILAVCLLVVAAIGWYCRDRCIOHSYAG 288
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DB 284 KITEENPVSTGEKNAATWSTILAVCLLVVAAIGWYCRDRCIOHSYAG 331
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RESULT 8
US-10-091-438-150
; Sequence 150, Application US/10091438
; Publication No. US20030077606A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT217C1
; CURRENT APPLICATION NUMBER: US/10/091,438
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,879
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
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PRIOR APPLICATION NUMBER: 60/231,243
PRIOR FILING DATE: 2000-09-08

Query Match 99.9%; Score 1494; DB 9; Length 370;
Best Local Similarity 99.7%; Pred. No. 6, 5e-117;
Matches 287; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGSPGLFLFLFSSLRADTQKEVRAMGSDVELSCACPEGRFPLNDVYYWQTSSEK 60
DB 69 MRGSPGLFLFLFSSLRADTQKEVRAMGSDVELSCACPEGRFPLNDVYYWQTSSEK 128

QY 61 TTVTYHIPQNSSLENDSDRYNRALMSPAGMLKGFDSLRLFNVTPODECKFHLVLSQSL 120
DB 129 TTVTYHIPQNSSLENDSDRYNRALMSPAGMLKGFDSLRLFNVTPODECKFHLVLSQSL 188

QY 121 GPGEVLSVEYTLHVAANFSVPVYASAPHSQDELFTCTGINSYPRPNYWKTDNSLL 180
DB 189 GPGEVLSIEYTLHVAANFSVPVYASAPHSQDELFTCTGINSYPRPNYWKTDNSLL 248

QY 181 DQALNDTVFLNMRGLDYVSVLRIARTPSVNGCCIEVNLQOQLTVGSQTGNDIGERD 240
DB 249 DQALNDTVFLNMRGLDYVSVLRIARTPSVNGCCIEVNLQOQLTVGSQTGNDIGERD 308

QY 241 KITEPNVSTGEKNAATWSILAVLCLLVVAIVAIGWCRCRCLQHSYAG 288
DB 309 KITEPNVSTGEKNAATWSILAVLCLLVVAIVAIGWCRCRCLQHSYAG 356

RESULT 9
US-09-789-561-136
Sequence 136, Application US/09789561
Patent No. US2002064818A1
GENERAL INFORMATION:
APPLICANT: NI et al.
TITLE OF INVENTION: 52 Human secreted proteins
FILE REFERENCE: P2043P1
CURRENT APPLICATION NUMBER: US/09/789,561
CURRENT FILING DATE: 2001-02-22
PRIOR APPLICATION NUMBER: PCT/US00/24008
PRIOR FILING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: 60/152,317
PRIOR FILING DATE: 1999-09-03
PRIOR APPLICATION NUMBER: 60/152,315
PRIOR FILING DATE: 1999-09-03
NUMBER OF SEQ ID NOS: 194
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 136
LENGTH: 302
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (128)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-789-561-136

Query Match 99.7%; Score 1490; DB 10; Length 302;
Best Local Similarity 99.7%; Pred. No. 1, 1e-116;
Matches 287; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MRGSPGLFLFLFSSLRADTQKEVRAMGSDVELSCACPEGRFPLNDVYYWQTSSEK 60
DB 1 MRGSPGLFLFLFSSLRADTQKEVRAMGSDVELSCACPEGRFPLNDVYYWQTSSEK 60

QY 61 TTVTYHIPQNSSLENDSDRYNRALMSPAGMLKGFDSLRLFNVTPODECKFHLVLSQSL 120
DB 61 TTVTYHIPQNSSLENDSDRYNRALMSPAGMLKGFDSLRLFNVTPODECKFHLVLSQSL 120

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6	PRIOR APPLICATION NUMBER: 60/2236, 3377	
7	PRIOR FILING DATE: 2000-09-29	
8	PRIOR APPLICATION NUMBER: 60/2241, 7855	
9	PRIOR FILING DATE: 2000-10-20	
10	PRIOR APPLICATION NUMBER: 60/2244, 6171	
11	PRIOR FILING DATE: 2000-11-01	
12	PRIOR APPLICATION NUMBER: 60/2225, 2688	
13	PRIOR FILING DATE: 2000-08-14	
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17	PRIOR FILING DATE: 2000-12-08	
18	PRIOR APPLICATION NUMBER: 60/2251, 8688	
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20	PRIOR APPLICATION NUMBER: 60/2229, 3444	
21	PRIOR FILING DATE: 2000-09-01	
22	PRIOR APPLICATION NUMBER: 60/2234, 9977	
23	PRIOR FILING DATE: 2000-09-25	
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36	PRIOR APPLICATION NUMBER: 60/2236, 3677	
37	PRIOR FILING DATE: 2000-09-29	
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39	PRIOR FILING DATE: 2000-10-02	
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PRIOR APPLICATION NUMBER: 60/249,208
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,213
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,212
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,207
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,245
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,244
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,217
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,211
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,215
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,264
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,214
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,297
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/232,400
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/231,242
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/232,081
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/232,080
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/231,414
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/231,244
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/233,064
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/233,063
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,397
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,399
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,401
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/241,808
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,826
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,786
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,221
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/246,475
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/231,243
PRIOR FILING DATE: 2000-09-08

Query Match 99.7%; Score 1490; DB 9; Length 344;
Best Local Similarity 99.7%; Pred. No. 1.3e-116;

Matches 287; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 MRGSPGLFLFLSSLRADTQKEKVRAMGSDVELSCACEGSRFDLNDVYVYVWQTSSEK 60
DB 43 MRGSPGLFLFLSSLRADTQKEKVRAMGSDVELSCACEGSRFDLNDVYVYVWQTSSEK 102
QY 61 TVVYTHIPONSSLENDSDRYNRALMSPAGMLRGDFSLRFNTVPODECKFHCLVLSQSL 120
DB 103 TVVYTHIPONSSLENDSDRYNRALMSPAGMLRGDFSLRFNTVPODECKFHCLVLSQSL 162
QY 121 GFOEVLSEVTLVHAANFVSVVAPHSPODELFTCTISINSYPRPNYWIINKTDSLL 180
DB 163 GFOEVLSEVTLVHAANFVSVVAPHSPODELFTCTISINSYPRPNYWIINKTDSLL 222
QY 181 DQALQNTVFLNMRGLDYVSVLRARTSVNIGCCIEVLLQONTLVSSQGTNDIGERD 240
DB 223 DQALQNTVFLNMRGLDYVSVLRARTSVNIGCCIEVLLQONTLVSSQGTNDIGERD 282
QY 241 KITEPNVSTGEKNAATWSILAVLCLLVVAVAGWCRCRCLQHSYAG 288
DB 283 KITEPNVSTGEKNAATWSILAVLCLLVVAVAGWCRCRCLQHSYAG 330
RESULT 11
US-09-764-853-812
Sequence 812, Application US/09764853
Patent No. US20020090672A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PJ206
CURRENT APPLICATION NUMBER: US/09/764,853
CURRENT FILING DATE: 2001-01-17
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 939
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 812
LENGTH: 344
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (170)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-853-812

Query Match 99.7%; Score 1490; DB 10; Length 344;
Best Local Similarity 99.7%; Pred. No. 1.3e-116;
Matches 287; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MRGSPGLFLFLSSLRADTQKEKVRAMGSDVELSCACEGSRFDLNDVYVYVWQTSSEK 60
DB 43 MRGSPGLFLFLSSLRADTQKEKVRAMGSDVELSCACEGSRFDLNDVYVYVWQTSSEK 102
QY 61 TVVYTHIPONSSLENDSDRYNRALMSPAGMLRGDFSLRFNTVPODECKFHCLVLSQSL 120
DB 103 TVVYTHIPONSSLENDSDRYNRALMSPAGMLRGDFSLRFNTVPODECKFHCLVLSQSL 162
QY 121 GFOEVLSEVTLVHAANFVSVVAPHSPODELFTCTISINSYPRPNYWIINKTDSLL 180
DB 163 GFOEVLSEVTLVHAANFVSVVAPHSPODELFTCTISINSYPRPNYWIINKTDSLL 222
QY 181 DQALQNTVFLNMRGLDYVSVLRARTSVNIGCCIEVLLQONTLVSSQGTNDIGERD 240
DB 223 DQALQNTVFLNMRGLDYVSVLRARTSVNIGCCIEVLLQONTLVSSQGTNDIGERD 282
QY 241 KITEPNVSTGEKNAATWSILAVLCLLVVAVAGWCRCRCLQHSYAG 288
DB 283 KITEPNVSTGEKNAATWSILAVLCLLVVAVAGWCRCRCLQHSYAG 330

RESULT 12
US-09-915-789A-11

```

; Sequence 11, Application US/09915789A
; Patent No. US20020168762A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Lieping
; TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATORY
;   MOLECULES
; FILE REFERENCE: 07039-219001
; CURRENT APPLICATION NUMBER: US/09/915,789A
; CURRENT FILING DATE: 2002-06-04
; PRIOR APPLICATION NUMBER: US 60/220,991
; PRIOR FILING DATE: 2000-07-27
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 241
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-915-789A-11

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```

Query Match      83.5%; Score 1248; DB 9; Length 241;
Best Local Similarity 99.6%; Pred. No. 1,3e-96;
Matches 240; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

OY 16 LRADTQKEVRAMGSDVELSCACPEGRFDLNDVYVYWTSEKTYTHIIPONSSLEN 75
Db 1 LRADTQKEVRAMGSDVELSCACPEGRFDLNDVYVYWTSEKTYTHIIPONSSLEN 60
OY 76 VDSRRNRNALMSPAGMLRGDFSLRLEFNTPODEKFFHCLVYSOSLGFEVLSVEYTLHVA 135
Db 61 VDSRRNRNALMSPAGMLRGDFSLRLEFNTPODEKFFHCLVYSOSLGFEVLSVEYTLHVA 120
OY 136 ANFSVYVVSAPHSPQDELFTCTCSINGYPRPNVYWKNTDNLSDQALQNDVYFLNMRG 195
Db 121 ANFSVYVVSAPHSPQDELFTCTCSINGYPRPNVYWKNTDNLSDQALQNDVYFLNMRG 180
OY 196 LYDVVSVLRATPESVNIQCCLENVLLQNLTVGSQTGNDIGERKKTENPVYSGEKMAA 255
Db 181 LYDVVSVLRATPESVNIQCCLENVLLQNLTVGSQTGNDIGERKKTENPVYSGEKMAA 240
OY 256 T 256
Db 241 T 241

```

```

RESULT 13
US-09-866-050A-664
; Sequence 664, Application US/09866050A
; Publication No. US20030040471A1
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions and Methods for Their Use
; FILE REFERENCE: 11000.1011c4U
; CURRENT APPLICATION NUMBER: US/09/866,050A
; CURRENT FILING DATE: 2001-05-24
; NUMBER OF SEQ ID NOS: 725
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 664
; LENGTH: 307
; TYPE: PRT
; ORGANISM: Rat
US-09-866-050A-664

```

```

Query Match      45.1%; Score 673.5; DB 9; Length 307;
Best Local Similarity 51.0%; Pred. No. 1.5e-48;
Matches 148; Conservative 39; Mismatches 92; Indels 11; Gaps 7;

```

```

OY 6 POLLLFLFSSLRADTQKEVRAMGSDVELSCACPEGRFDLNDVYVYWTSEKTYTHI 64

```

```

Db 10 PGLFLFLFCSLCEAEKEVYANWAGSDVELRCYPPRRSHRSLDLYVWQIYDEACTVYT 69
OY 65 YHP--QNSLENDVSRNRNALMSPAGMLRGDFSLRLEFNTPODEKFFHCLVLSOSLGF 122
Db 70 YLPASNESSITHVSNYKRAHSPDLMEKGFSLHLOWTTPQDDQFERCFLFRMSTVY 129
OY 123 QEVLSVEYTLHVAANFSVPVVSAPHSPQDELFTCTCSINGYPRPNVYWKNTDNLSD 180
Db 130 GKALEEVYRLRVAAANFSTPISTSGSDPGQ-ERTTCMSKNGYPRPNVYWKNTDNL 188
OY 181 DQALQNDVFLNMRGLYDVSVLRATPESVNIQCCLENVLLQNLTVGSQTGNDIGERD 240
Db 189 DELQNTVYLNELGLYDVSVLRATPESVNIQCCLENVLLQNTISISRAESFTGSMN 248
OY 241 KITEEN--VSTGEKNATWSILAVLCILVYVAVAIGWCGDRCLQHSYAG 288
Db 249 --TERPQEHREATKVFYALALAVVYVITVYLCRRRCQ--SYTG 295

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```

RESULT 14
US-09-910-174A-29
; Sequence 29, Application US/09910174A
; Patent No. US20020106730A1
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. US20020106730A1 Members of the B7
;   FAMILY AND USES THEREOF
; FILE REFERENCE: 35800/236924
; CURRENT APPLICATION NUMBER: US/09/910,174A
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/620,461
; PRIOR FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 322
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-910-174A-29

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```

Query Match      39.4%; Score 588.5; DB 10; Length 322;
Best Local Similarity 46.6%; Pred. No. 2e-41;
Matches 135; Conservative 39; Mismatches 97; Indels 19; Gaps 7;

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```

OY 7 GLFLFLFSSLRADTQKEVRAMGSDVELSCACPEGRFDLNDVYVYWTSEKTYTHI 66
Db 32 GLFLFLFSSLRADTQKEVRAMGSDVELSCACPEGRFDLNDVYVYWTSEKTYTHI 91
OY 67 IPONSSLENDVSRNRNALMSPAGMLRGDFSLRLEFNTPODEKFFHCLV--LSOSLGF 125
Db 92 LFPKSPGAINVDSSYKNGHSLSDSMKGNFSLYKANTPDDTDFPCRFVPMNATLEYK 151
OY 126 LSVETLHVAANFSVPVVSAPHSPQDELFTCTCSINGYPRPNVYWKNTDNLSDQ 183
Db 152 LEEVYRLRVAAANFSTPISTSGSDPGQ-ERTTCMSKNGYPRPNVYWKNTDNLSD 210
OY 184 LQNTVFLNMRGLYDVSVLRATPESVNIQCCLENVLLQNLTVGSQ----TGNDIGER 239
Db 211 LQNTVFLNMRGLYDVSVLRATPESVNIQCCLENVLLQNTISISRAESFTGSMN 266
OY 240 DKITEENPVSTGEKNATWSILAVLCILVYVAVAIGWCGDRCLQHSYAG 288
Db 267 ---TKNPQETHNNEL---KVLVPLVLAALAAVAFSTIYKRTKPHSHSYTG 310

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RESULT 15
US-09-915-789A-1
; Sequence 1, Application US/09915789A
; Patent No. US20020168762A1
; GENERAL INFORMATION:

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GenCore version 5.1.4-p5.4578
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 24, 2003, 16:25:54 ; Search time 10.5038 Seconds
(without alignments)
806.735 Million cell updates/sec

Title: US-09-728-420C-12
Perfect score: 1495
Sequence: 1 MRLGSPGLFLFFSLRADT.....VAVAGWCRDRLQHSYAG 288

Scoring table: BL0SUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues
Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*

- 1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep:*
- 2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep:*
- 3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep:*
- 4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep:*
- 5: /cgn2_6/ptodata/1/1aa/PCTUS.COMB.pep:*
- 6: /cgn2_6/ptodata/1/1aa/Backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	273.5	18.3	534	US-09-651-200-6	Sequence 6, Appli
2	273.5	18.3	534	US-09-651-200-24	Sequence 24, Appli
3	273	18.3	340	US-09-651-200-2	Sequence 2, Appli
4	273	18.3	441	US-09-651-200-4	Sequence 4, Appli
5	185	12.4	329	US-09-651-200-18	Sequence 18, Appli
6	184	12.3	329	US-09-651-200-19	Sequence 19, Appli
7	182	12.2	309	US-09-651-200-23	Sequence 23, Appli
8	182	12.2	309	US-08-456-104-4	Sequence 4, Appli
9	182	12.2	309	US-08-479-744A-23	Sequence 23, Appli
10	182	12.2	309	US-08-280-757B-23	Sequence 23, Appli
11	182	12.2	309	US-08-205-697A-21	Sequence 21, Appli
12	182	12.2	309	US-08-702-525-21	Sequence 21, Appli
13	182	12.2	309	US-09-651-200-22	Sequence 22, Appli
14	182	12.2	309	PCT-US95-02576-21	Sequence 21, Appli
15	182	12.2	314	US-08-205-697A-13	Sequence 13, Appli
16	182	12.2	314	US-08-702-525-13	Sequence 13, Appli
17	182	12.2	314	PCT-US95-02576-13	Sequence 13, Appli
18	174	11.6	325	US-09-651-200-20	Sequence 20, Appli
19	173	11.6	589	US-08-724-394A-1	Sequence 1, Appli
20	165.5	11.1	323	US-09-651-200-21	Sequence 21, Appli
21	165.5	11.1	323	PCT-US94-09642-2	Sequence 2, Appli
22	165.5	11.1	329	US-08-456-104-2	Sequence 2, Appli
23	165.5	11.1	329	US-08-101-624-2	Sequence 2, Appli
24	165.5	11.1	329	US-08-479-744A-2	Sequence 2, Appli
25	165.5	11.1	329	US-08-280-757B-2	Sequence 2, Appli
26	165.5	11.1	329	US-08-205-697A-23	Sequence 23, Appli
27	165.5	11.1	329	US-08-702-525-23	Sequence 23, Appli

28	165.5	11.1	329	US-08-403-253A-4	Sequence 4, Appli
29	165.5	11.1	339	PCT-US95-02576-23	Sequence 23, Appli
30	164.5	11.0	288	US-08-147-772-2	Sequence 2, Appli
31	164.5	11.0	288	US-08-456-104-6	Sequence 6, Appli
32	164.5	11.0	288	US-08-101-624-23	Sequence 23, Appli
33	164.5	11.0	288	US-08-751-767A-6	Sequence 6, Appli
34	164.5	11.0	288	US-08-153-262-2	Sequence 2, Appli
35	164.5	11.0	288	US-08-479-744A-29	Sequence 29, Appli
36	164.5	11.0	288	US-08-280-757B-29	Sequence 29, Appli
37	164.5	11.0	288	US-09-159-135-2	Sequence 2, Appli
38	164.5	11.0	288	US-08-205-697A-19	Sequence 19, Appli
39	164.5	11.0	288	US-08-702-525-19	Sequence 19, Appli
40	164.5	11.0	288	US-09-450-798-2	Sequence 2, Appli
41	164.5	11.0	288	US-08-403-253A-2	Sequence 2, Appli
42	164.5	11.0	288	US-09-651-200-13	Sequence 13, Appli
43	164.5	11.0	288	PCT-US95-02576-19	Sequence 19, Appli
44	161	10.8	208	US-09-460-384-36	Sequence 36, Appli
45	161	10.8	473	US-09-171-945-131	Sequence 131, App

ALIGNMENTS

```
RESULT 1
US-09-651-200-6
Sequence 6, Application US/09651200
Patent No. 6429303
GENERAL INFORMATION:
APPLICANT: Green et al
TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
FILE REFERENCE: 15966-562 (CURA-62)
CURRENT APPLICATION NUMBER: US/09/651,200
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/152383
PRIOR FILING DATE: 1999-09-03
PRIOR APPLICATION NUMBER: 60/172909
PRIOR FILING DATE: 1999-12-21
PRIOR APPLICATION NUMBER: 60/183578
PRIOR FILING DATE: 2000-02-18
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 6
LENGTH: 534
TYPE: PRT
ORGANISM: Homo sapiens
US-09-651-200-6
Query Match
Best Local Similarity 30.8%; Score 273.5; DB 4; Length 534;
Matches 84; Conservative 37; Mismatches 105; Indels 47; Gaps 9;
2 RLGSPG-----LFLFLFSLRADTQEKVRAMGSDVELSCAPEGSRFDINDV 50
4 RRGSGMGMVHGAIGALMFLCTGALFVQVPEDEPVVALVGTATLCCSFPEPFSLAQ 63
51 YVWQTSKRVVYVYHIDPNSLEND--SVRRBALMSRPMGRGPFSLRLFVPTQDE 108
64 NLIMQWLDITKQLV-----HSFAEGDQGSAYANRTALFPLDLAAGNALSRLQVRADE 117
109 OKFHCLVLSGLFQEVLSVEVTLHVAANFSPVVASPHSPSQ-----DETFPTCSING 163
118 GSFPCFVSIRDPG-----SAVSIQVAPARYKP--SMTLEBNKRLRGDVIYTTICSSYOG 170
164 YPRPNVWY-----INKDINSLLDQALONDIVFLMKRGLYDVSVYLRIARTPNSVNIQCIE 218
171 YPEAEVEFMQDQGVPLTGNVTTSSO-----MANEGCLFDVHSILRVLLANGYSLVTR 223
219 NVLLDQ-----NLTVGSGQNGNDIGERDKITENPV 247
224 NPVLQDDAHSSVTTPKRSPTGAVEVQVPEDPV 256
```

RESULT 2

US-09-651-200-24

Sequence 24, Application US/09651200

Patent No. 6429303

GENERAL INFORMATION:

APPLICANT: Green et al

TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B

TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

TITLE OF INVENTION: Polypeptides Encoded Thereby

FILE REFERENCE: 15966-562 (CURA-62)

CURRENT APPLICATION NUMBER: US/09/651,200

CURRENT FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/152383

PRIOR FILING DATE: 1999-09-03

PRIOR APPLICATION NUMBER: 60/172909

PRIOR FILING DATE: 1999-12-21

PRIOR APPLICATION NUMBER: 60/183578

PRIOR FILING DATE: 2000-02-18

NUMBER OF SEQ ID NOS: 25

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 24

LENGTH: 534

TYPE: PRT

ORGANISM: Unknown

FEATURE: OTHER INFORMATION: Description of Unknown Organism: Sequence

OTHER INFORMATION: m25020.protein from Figure 4.

US-09-651-200-24

Query Match 18.3%; Score 273.5; DB 4; Length 534;
 Best Local Similarity 30.8%; Pred. No. 5.3e-19;
 Matches 84; Conservative 37; Mismatches 105; Indels 47; Gaps 9;

QY 2 RLGSG-----LLFLFSLRADTOEKREAVWGSVDELSCACPEGSREFLNDY 50
 DB 4 RGSFGMGVHGAALGALMFLCTGALVQVPEDPVALVGTDAITCCSFSPGFSIAQL 63
 QY 51 YVWQTSKSTVYTHIPONSSLEND--SKYRNRLMSPAGMLRGDFSLRLFNTPDE 108
 DB 64 NLIMQULTKOLV-----HSFAEQDQGSAAVNTALFPDLAOGNNSLRQVRVADE 117
 QY 109 QKHFGLVLSQSLGFQEVLSVEYTLVAVNFSPVVASPHSSQ-----DELFTCTISNG 163
 DB 118 GSETFVSIROG-----SAAVSLOVAAPYSKP--SMTLENNKDLRPGDTVTITCCSYOG 170
 QY 164 YRPYVWY-----INKTNSLLDQALQNDYFLNMRGLYDVSVYLRIARTPSNIGCCIE 218
 DB 171 YPEAEVFNQDGGVPLTGNVTTSQ-----MANQGLFDVHSILRLVVLGANGTYSCLVR 223
 QY 219 NVLLQO---NLTVGSQTGNDIGERDKITENPV 247
 DB 224 NPVLQDASHSVTIPQRSPGAVEVQVDEPV 256

RESULT 3

US-09-651-200-2

Sequence 2, Application US/09651200

Patent No. 6429303

GENERAL INFORMATION:

APPLICANT: Green et al

TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B

TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

TITLE OF INVENTION: Polypeptides Encoded Thereby

FILE REFERENCE: 15966-562 (CURA-62)

CURRENT APPLICATION NUMBER: US/09/651,200

CURRENT FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/152383

PRIOR FILING DATE: 1999-09-03

PRIOR APPLICATION NUMBER: 60/172909

PRIOR FILING DATE: 1999-12-21

PRIOR APPLICATION NUMBER: 60/183578

PRIOR FILING DATE: 2000-02-18

NUMBER OF SEQ ID NOS: 25
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 2
 LENGTH: 340
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-651-200-2

Query Match 18.3%; Score 273; DB 4; Length 340;
 Best Local Similarity 30.5%; Pred. No. 3.1e-19;
 Matches 84; Conservative 41; Mismatches 106; Indels 44; Gaps 10;

QY 15 SLRADTOEKREAVWGSVDELSCACPEGSREFLNDYVWQTSKSTVYTHIPONSSLE 74
 DB 52 AVEQVPEDPVALVGTDAITLHCSFSPGFSIAQLNLMQULTKOLV-----HSFTE 105
 QY 75 NVD--SKYRNRLMSPAGMLRGDFSLRLFNTPQDEKHFGLVLSQSLGFQEVLSVEYTL 132
 DB 106 GRDQGSAYANRTALFPDLAOGNNSLRQVRVADEGSFCEVSIROFG-----SAAVSL 160
 QY 133 HVAANFSPVVASPHSSQ-----DELFTCTISNGYPRPNVW-----INKTNSLLDQ 182
 DB 161 QVAAPYSKP--SMTLENNKDLRPGDTVTITCCSYRGYPAEAVWQDGGVPLTGNVTTSQ 218
 QY 183 ALQNDYFLNMRGLYDVSVYLRIARTPSNIGCCIEENVLLQOMLTVGSQTGNDIGERDKI 242
 DB 219 -----MANQGLFDVHSILRLVVLGANGTYSCLVNPVLQD--ANGSVT-----I 261
 QY 243 TENPVSTGEKNATWSILAVLCILVYVAVAGWC 277
 DB 262 TGQPMFPPPE--ALWTVGLSVCLIALVALAIVC 294

RESULT 4

US-09-651-200-4

Sequence 4, Application US/09651200

Patent No. 6429303

GENERAL INFORMATION:

APPLICANT: Green et al

TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B

TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

TITLE OF INVENTION: Polypeptides Encoded Thereby

FILE REFERENCE: 15966-562 (CURA-62)

CURRENT APPLICATION NUMBER: US/09/651,200

CURRENT FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/152383

PRIOR FILING DATE: 1999-09-03

PRIOR APPLICATION NUMBER: 60/172909

PRIOR FILING DATE: 1999-12-21

PRIOR APPLICATION NUMBER: 60/183578

PRIOR FILING DATE: 2000-02-18

NUMBER OF SEQ ID NOS: 25

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 4

LENGTH: 441

TYPE: PRT

ORGANISM: Homo sapiens

US-09-651-200-4

Query Match 18.3%; Score 273; DB 4; Length 441;
 Best Local Similarity 30.5%; Pred. No. 4.5e-19;
 Matches 84; Conservative 41; Mismatches 106; Indels 44; Gaps 10;

QY 15 SLRADTOEKREAVWGSVDELSCACPEGSREFLNDYVWQTSKSTVYTHIPONSSLE 74
 DB 153 AVEQVPEDPVALVGTDAITLHCSFSPGFSIAQLNLMQULTKOLV-----HSFTE 206
 QY 75 NVD--SKYRNRLMSPAGMLRGDFSLRLFNTPQDEKHFGLVLSQSLGFQEVLSVEYTL 132
 DB 207 GRDQGSAYANRTALFPDLAOGNNSLRQVRVADEGSFCEVSIROFG-----SAAVSL 261
 QY 133 HVAANFSPVVASPHSSQ-----DELFTCTISNGYPRPNVW-----INKTNSLLDQ 182

Qy	1	EKEVAMGSGVEVLSEIACAPESCSRPDLNDVYVWQTSSEKTYVTHIPIQNSLSEVDSRYR	60
Db	22	EKEVAMGSGVEVLSEIACAPESCSRPDLNDVYVWQTSSEKTYVTHIPIQNSLSEVDSRYR	81
Qy	61	NRALMSPAGMLRGDFSLRLFNVTPODEQKFCPLVLISGLGQEVLEAVYTLHVAANEVSP	120
Db	82	NRALMSPAGMLRGDFSLRLFNVTPODEQKFCPLVLISGLGQEVLEAVYTLHVAANEVSP	141
Qy	121	VYSAPHSFSQDELFYTCISINGYFRPNYYWTKTKDNTSLDQALDNDYVFLMRGLDYVVS	180
Db	142	VYSAPHSFSQDELFYTCISINGYFRPNYYWTKTKDNTSLDQALDNDYVFLMRGLDYVVS	201
Qy	181	VLRIKRPFSVNIIGCCIEVWLLQONLVYSGSFGNDIGEDKRTENPVSTGKKNATWSILA	240
Db	202	VLRIKRPFSVNIIGCCIEVWLLQONLVYSGSFGNDIGEDKRTENPVSTGKKNATWSILA	261


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RESULT 5
US-09-764-853-630
Sequence 630 Application US/09764853
Patent No. US20020090672A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PJ206
CURRENT APPLICATION NUMBER: US/09/764,853
CURRENT FILING DATE: 2001-01-17
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 939
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 630
LENGTH: 343
TYPE: PRT
ORGANISM: Homo sapiens
US-09-764-853-630

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Query Match	99.98	Score 1392	DB 10	Length 343
Best Local Similarity	99.68	Pred. No. 1.1e-111		
Matches 266	Conservative	1	Mismatches 0	Indels 0
				Gaps 0

Qy	1	EKEVAMGSGVPELISCAPECSRFPLDNDVYVYVWOTSSKTVYTHIPONSLEVDOSR	60
Db	63	EKEVAMGSDVPELISCAPECSRRFLDNDVYVWOTSSKTVYTHIPONSLEVDOSR	122
Qy	61	NRALMSPGMGRGPFSLRFLVTPDDBOKFHCFLVLSGLFPOEVLSEVYLHLHAANSVP	120
Db	123	NRALMSPGMGRGDFSLRFLVTPDDBOKFHCFLVLSGLFQELVSEVYLHLHAANSVP	182
Qy	121	VVSAPHSSODELFTFCTSI NGYRPNVYVINKTDSNLDDALONDVPLNMRLDYVS	180
Db	183	VVSAPHSSODELFTFCTSI NGYRPNVYVINKTDSNLDDALONDVPLNMRLDYVS	242
Qy	181	VLRIARTPSVNI GCCIEENVLLQONLVGSGQTGNDIGERDKITENPVSTGKRNATYSILA	240
Db	243	VLRIARTPSVNI GCCIEENVLLQONLVGSGQTGNDIGERDKITENPVSTGKRNATYSILA	302
Qy	241	VLCLLVVVAVALIGWVCRDRLQHSYAG	267
Db	303	VLCLLVVVAVALIGWVCRDRLQHSYAG	329

RESULT 6
US-10-091-438-210

Sequence 210, Application US/10091438
Publication No. US20030077606A1
GENERAL INFORMATION:

APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: P7121701
CURRENT APPLICATION NUMBER: US/10/091,438
PRIORITY FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,879
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 60/179,065
PRIOR FILING DATE: 2000-01-31
PRIOR APPLICATION NUMBER: 60/180,628
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: 60/214,886
PRIOR FILING DATE: 2000-06-28
PRIOR APPLICATION NUMBER: 60/217,487
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/225,758
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/220,963
PRIOR FILING DATE: 2000-07-26
PRIOR APPLICATION NUMBER: 60/217,436
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/225,447
PRIOR FILING DATE: 2000-08-14

1	PRIOR APPLICATION	NUMBER: 60/2218, 290
2	PRIOR FILING DATE:	2000-07-14
3	PRIOR APPLICATION	NUMBER: 60/225, 757
4	PRIOR FILING DATE:	2000-08-14
5	PRIOR APPLICATION	NUMBER: 60/226, 868
6	PRIOR FILING DATE:	2000-08-22
7	PRIOR APPLICATION	NUMBER: 60/216, 647
8	PRIOR FILING DATE:	2000-07-07
9	PRIOR APPLICATION	NUMBER: 60/225, 267
10	PRIOR FILING DATE:	2000-08-14
11	PRIOR APPLICATION	NUMBER: 60/216, 880
12	PRIOR FILING DATE:	2000-07-07
13	PRIOR APPLICATION	NUMBER: 60/225, 270
14	PRIOR FILING DATE:	2000-08-14
15	PRIOR APPLICATION	NUMBER: 60/225, 869
16	PRIOR FILING DATE:	2000-12-08
17	PRIOR APPLICATION	NUMBER: 60/235, 834
18	PRIOR FILING DATE:	2000-09-27
19	PRIOR APPLICATION	NUMBER: 60/234, 274
20	PRIOR FILING DATE:	2000-09-21
21	PRIOR APPLICATION	NUMBER: 60/234, 223
22	PRIOR FILING DATE:	2000-09-21
23	PRIOR APPLICATION	NUMBER: 60/228, 924
24	PRIOR FILING DATE:	2000-08-30
25	PRIOR APPLICATION	NUMBER: 60/224, 518
26	PRIOR FILING DATE:	2000-08-14
27	PRIOR APPLICATION	NUMBER: 60/236, 369
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30	PRIOR FILING DATE:	2000-08-14
31	PRIOR APPLICATION	NUMBER: 60/220, 964
32	PRIOR FILING DATE:	2000-07-26
33	PRIOR APPLICATION	NUMBER: 60/241, 809
34	PRIOR FILING DATE:	2000-10-20
35	PRIOR APPLICATION	NUMBER: 60/249, 299
36	PRIOR FILING DATE:	2000-11-17
37	PRIOR APPLICATION	NUMBER: 60/236, 327
38	PRIOR FILING DATE:	2000-09-29
39	PRIOR APPLICATION	NUMBER: 60/241, 785
40	PRIOR FILING DATE:	2000-10-20
41	PRIOR APPLICATION	NUMBER: 60/244, 617
42	PRIOR FILING DATE:	2000-11-01
43	PRIOR APPLICATION	NUMBER: 60/225, 268
44	PRIOR FILING DATE:	2000-08-14
45	PRIOR APPLICATION	NUMBER: 60/236, 368
46	PRIOR FILING DATE:	2000-09-29
47	PRIOR APPLICATION	NUMBER: 60/225, 856
48	PRIOR FILING DATE:	2000-12-08
49	PRIOR APPLICATION	NUMBER: 60/251, 866
50	PRIOR FILING DATE:	2000-12-08
51	PRIOR APPLICATION	NUMBER: 60/229, 344
52	PRIOR FILING DATE:	2000-09-01
53	PRIOR APPLICATION	NUMBER: 60/234, 997
54	PRIOR FILING DATE:	2000-09-25
55	PRIOR APPLICATION	NUMBER: 60/229, 343
56	PRIOR FILING DATE:	2000-09-01
57	PRIOR APPLICATION	NUMBER: 60/229, 345
58	PRIOR FILING DATE:	2000-09-01
59	PRIOR APPLICATION	NUMBER: 60/229, 287
60	PRIOR FILING DATE:	2000-09-01
61	PRIOR APPLICATION	NUMBER: 60/229, 513
62	PRIOR FILING DATE:	2000-09-05
63	PRIOR APPLICATION	NUMBER: 60/231, 413
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65	PRIOR APPLICATION	NUMBER: 60/229, 509
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67	PRIOR APPLICATION	NUMBER: 60/236, 367
68	PRIOR FILING DATE:	2000-09-29
69	PRIOR APPLICATION	NUMBER: 60/237, 033
70	PRIOR FILING DATE:	2000-10-02
71	PRIOR APPLICATION	NUMBER: 60/237, 036
72	PRIOR FILING DATE:	2000-10-02
73	PRIOR APPLICATION	NUMBER: 60/236, 373

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;; PRIOR FILING DATE: 2000-10-02
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;; PRIOR FILING DATE: 2000-10-20
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;; PRIOR APPLICATION NUMBER: 60/225,214
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/235,836
;; PRIOR FILING DATE: 2000-09-27
;; PRIOR APPLICATION NUMBER: 60/230,438
;; PRIOR FILING DATE: 2000-09-06
;; PRIOR APPLICATION NUMBER: 60/215,135
;; PRIOR FILING DATE: 2000-06-30
;; PRIOR APPLICATION NUMBER: 60/225,266
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;; PRIOR FILING DATE: 2000-09-08

;; PRIOR APPLICATION NUMBER: 60/232,080
;; PRIOR FILING DATE: 2000-09-08
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;; PRIOR FILING DATE: 2000-09-08
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;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/232,399
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;; PRIOR APPLICATION NUMBER: 60/232,401
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;; PRIOR APPLICATION NUMBER: 60/241,221
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/246,475
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/231,243
;; PRIOR FILING DATE: 2000-09-08

Query Match 99.98%; Score 1392; DB 9; Length 345;
Best Local Similarity 99.6%; Pred. No. 1,1e-11;
Matches 266; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKEVRAVGSDELSCACPEGRFDLNDVYVWQTESKTVYTHIPOMSSLENDYSRR 60
DB 65 EKEVRAVGSDELSCACPEGRFDLNDVYVWQTESKTVYTHIPOMSSLENDYSRR 124
QY 61 NRALMSPAGMLRGDFSLRLEFNTVPODEQKPHCLVLSQSLSGFQEVLSVEVTLHVAANFSVP 120
DB 125 NRALMSPAGMLRGDFSLRLEFNTVPODEQKPHCLVLSQSLSGFQEVLSVEVTLHVAANFSVP 184
QY 121 VVSAPHSPODELFTFTCTSTNGYPRPNVYWKNTDNLSDOALONDVFLNMRGLDYVS 180
DB 185 VVSAPHSPODELFTFTCTSTNGYPRPNVYWKNTDNLSDOALONDVFLNMRGLDYVS 244
QY 181 VLCLVAVNAVAIGWCRDRCLQHSYAG 267
DB 245 VLCLVAVNAVAIGWCRDRCLQHSYAG 304
QY 241 VLCLVAVNAVAIGWCRDRCLQHSYAG 267
DB 305 VLCLVAVNAVAIGWCRDRCLQHSYAG 331

RESULT 7
US-09-764-853-810
; Sequence 810, Application US/09764853
; Patent No. US20020090672A1
; GENERAL INFORMATION:
; APPLICANT: rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PJ206
; CURRENT APPLICATION NUMBER: US/09/764,853
; CURRENT FILING DATE: 2001-01-17
; PRIOR application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 939
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 810
; LENGTH: 345
; TYPE: prt
; ORGANISM: Homo sapiens
US-09-764-853-810

Query #	Match	99.9%	Score	1392;	DB	10;	Length	345;
Best Local Similarity	99.6%	Pred. No.	1,1e-111;					
Matches	266;	Conservative	1;	Mismatches	0;	Indels	0;	Gaps
QY	1	EKEVAMGSPVLEISCAPEGSRFDLNDVYVYVWQTSSEKTVYTHIIPONSLENDSYXR	60					
Db	65	EKEVAMGSPVLEISCAPEGSRFDLNDVYVYVWQTSSEKTVYTHIIPONSLENDSYXR	124					
QY	61	NRALMSPAGMIRGDFSLFLFNVTPODEOKFHCFLVLSOSLGFOEVLSEVTLJHVAANFSVP	120					
Db	125	NRALMSPAGMIRGDFSLFLFNVTPODEOKFHCFLVLSOSLGFOEVLSEVTLJHVAANFSVP	184					
QY	121	VVSAPHSEBODELFTTCTTSINGYPRPNVYWNKTNDNSLLDQALQNDYFLNMRGLYDVS	180					
Db	185	VVSAPHSEBODELFTTCTTSINGYPRPNVYWNKTNDNSLLDQALQNDYFLNMRGLYDVS	244					
QY	181	VLRIARFDSVNIIGCCIEENVLLQQLTVGSSQFGNDIGERDKITTEENVSTGERKNAATWSILA	240					
Db	245	VLRIARFDSVNIIGCCIEENVLLQQLTVGSSQFGNDIGERDKITTEENVSTGERKNAATWSILA	304					
	241	VLCLLVYVAVALIGWCRDRCLOHSHYAG	267					
Db	305	VLCLLVYVAVALIGWCRDRCLOHSHYAG	331					

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RESULT 8
US-10-091-438-150
: Sequence 150, Application US/10091438
: Publication No. US20030077606A1
: GENERAL INFORMATION:
: APPLICANT: Rosen et al.
: TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
: FILE REFERENCE: PTZ17C1
: CURRENT APPLICATION NUMBER: US/10/091,438
: CURRENT FILING DATE: 2001-01-17
: PRIOR APPLICATION NUMBER: 09/764,879
: PRIOR FILING DATE: 2001-01-17
: PRIOR APPLICATION NUMBER: 60/179,065
: PRIOR FILING DATE: 2000-01-31
: PRIOR APPLICATION NUMBER: 60/180,628
: PRIOR FILING DATE: 2000-02-04
: PRIOR APPLICATION NUMBER: 60/214,886
: PRIOR FILING DATE: 2000-06-28
: PRIOR APPLICATION NUMBER: 60/217,487
: PRIOR FILING DATE: 2000-07-11
: PRIOR APPLICATION NUMBER: 60/225,758
: PRIOR FILING DATE: 2000-08-14
: PRIOR APPLICATION NUMBER: 60/220,963
: PRIOR FILING DATE: 2000-07-26
: PRIOR APPLICATION NUMBER: 60/217,496
: PRIOR FILING DATE: 2000-07-11
: PRIOR APPLICATION NUMBER: 60/225,447
: PRIOR FILING DATE: 2000-08-14
: PRIOR APPLICATION NUMBER: 60/218,290
: PRIOR FILING DATE: 2000-07-14
: PRIOR APPLICATION NUMBER: 60/225,757
: PRIOR FILING DATE: 2000-08-14
: PRIOR APPLICATION NUMBER: 60/226,868
: PRIOR FILING DATE: 2000-08-22
: PRIOR APPLICATION NUMBER: 60/216,647
: PRIOR FILING DATE: 2000-07-07
: PRIOR APPLICATION NUMBER: 60/225,267
: PRIOR FILING DATE: 2000-08-14
: PRIOR APPLICATION NUMBER: 60/216,880
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: PRIOR APPLICATION NUMBER: 60/225,270
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: PRIOR APPLICATION NUMBER: 60/251,869
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: PRIOR APPLICATION NUMBER: 60/235,834
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: PRIOR APPLICATION NUMBER: 60/234,274
: PRIOR FILING DATE: 2000-09-21

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1	PRIOR APPLICATION NUMBER: 60/234, 223
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3	PRIOR APPLICATION NUMBER: 60/228, 934
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5	PRIOR APPLICATION NUMBER: 60/224, 518
6	PRIOR FILING DATE: 2000-08-14
7	PRIOR APPLICATION NUMBER: 60/236, 365
8	PRIOR FILING DATE: 2000-09-29
9	PRIOR APPLICATION NUMBER: 60/224, 519
10	PRIOR FILING DATE: 2000-08-14
11	PRIOR APPLICATION NUMBER: 60/220, 964
12	PRIOR FILING DATE: 2000-07-26
13	PRIOR APPLICATION NUMBER: 60/241, 809
14	PRIOR FILING DATE: 2000-10-20
15	PRIOR APPLICATION NUMBER: 60/249, 299
16	PRIOR FILING DATE: 2000-11-17
17	PRIOR APPLICATION NUMBER: 60/236, 327
18	PRIOR FILING DATE: 2000-09-29
19	PRIOR APPLICATION NUMBER: 60/241, 765
20	PRIOR FILING DATE: 2000-10-20
21	PRIOR APPLICATION NUMBER: 60/244, 617
22	PRIOR FILING DATE: 2000-11-01
23	PRIOR APPLICATION NUMBER: 60/225, 268
24	PRIOR FILING DATE: 2000-08-14
25	PRIOR APPLICATION NUMBER: 60/236, 368
26	PRIOR FILING DATE: 2000-09-29
27	PRIOR APPLICATION NUMBER: 60/251, 856
28	PRIOR FILING DATE: 2000-12-08
29	PRIOR APPLICATION NUMBER: 60/251, 866
30	PRIOR FILING DATE: 2000-12-08
31	PRIOR APPLICATION NUMBER: 60/229, 344
32	PRIOR FILING DATE: 2000-09-01
33	PRIOR APPLICATION NUMBER: 60/234, 997
34	PRIOR FILING DATE: 2000-09-25
35	PRIOR APPLICATION NUMBER: 60/229, 343
36	PRIOR FILING DATE: 2000-09-01
37	PRIOR APPLICATION NUMBER: 60/229, 345
38	PRIOR FILING DATE: 2000-09-01
39	PRIOR APPLICATION NUMBER: 60/229, 287
40	PRIOR FILING DATE: 2000-09-01
41	PRIOR APPLICATION NUMBER: 60/229, 513
42	PRIOR FILING DATE: 2000-09-05
43	PRIOR APPLICATION NUMBER: 60/231, 413
44	PRIOR FILING DATE: 2000-09-08
45	PRIOR APPLICATION NUMBER: 60/229, 509
46	PRIOR FILING DATE: 2000-09-05
47	PRIOR APPLICATION NUMBER: 60/236, 367
48	PRIOR FILING DATE: 2000-09-29
49	PRIOR APPLICATION NUMBER: 60/237, 039
50	PRIOR FILING DATE: 2000-10-02
51	PRIOR APPLICATION NUMBER: 60/237, 038
52	PRIOR FILING DATE: 2000-10-02
53	PRIOR APPLICATION NUMBER: 60/236, 370
54	PRIOR FILING DATE: 2000-09-29
55	PRIOR APPLICATION NUMBER: 60/236, 802
56	PRIOR FILING DATE: 2000-10-02
57	PRIOR APPLICATION NUMBER: 60/237, 037
58	PRIOR FILING DATE: 2000-10-02
59	PRIOR APPLICATION NUMBER: 60/237, 040
60	PRIOR FILING DATE: 2000-10-02
61	PRIOR APPLICATION NUMBER: 60/240, 960
62	PRIOR FILING DATE: 2000-10-20
63	PRIOR APPLICATION NUMBER: 60/239, 935
64	PRIOR FILING DATE: 2000-10-13
65	PRIOR APPLICATION NUMBER: 60/239, 937
66	PRIOR FILING DATE: 2000-10-13
67	PRIOR APPLICATION NUMBER: 60/241, 787
68	PRIOR FILING DATE: 2000-10-20
69	PRIOR APPLICATION NUMBER: 60/246, 474
70	PRIOR FILING DATE: 2000-11-08
71	PRIOR APPLICATION NUMBER: 60/246, 532
72	PRIOR FILING DATE: 2000-11-08
73	PRIOR APPLICATION NUMBER: 60/249, 216

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;; PRIOR APPLICATION NUMBER: 60/225,214
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;; PRIOR APPLICATION NUMBER: 60/235,836
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;; PRIOR FILING DATE: 2000-06-30
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;; PRIOR FILING DATE: 2000-10-20

;; PRIOR APPLICATION NUMBER: 60/241,786
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/241,221
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/246,475
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/231,243
;; PRIOR FILING DATE: 2000-09-08

Query Match 99.9% Score 1392; DB 9; Length 370;
Best Local Similarity 99.6%; Pred. No. 1,2e-111;
Matches 266; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKEVAMGSDVELSCACPEGRFDLNDVYVWQTSSEKTYVTHIPONSSLENDVDSRYR 60
DB 90 EKEVAMGSDVELSCACPEGRFDLNDVYVWQTSSEKTYVTHIPONSSLENDVDSRYR 149
QY 61 NRALMSPAGMLRGDPSLRFLNVTPODEOKFHCGLVLSQSLGFOEVLSEVTLHVAANFSVP 120
DB 150 NRALMSPAGMLRGDPSLRFLNVTPODEOKFHCGLVLSQSLGFOEVLSEVTLHVAANFSVP 209
QY 121 VVSAPHSPODELFTCTSTINGYPRPNVYWKNTDNLDOALONDVFLNMGLYDVS 180
DB 210 VVSAPHSPODELFTCTSTINGYPRPNVYWKNTDNLDOALONDVFLNMGLYDVS 269
QY 181 VLRIARTPSVNIQCCIEENVLLQNLTVGSGNDIGERDITENPVSIGKNAATWSILA 240
DB 270 VLRIARTPSVNIQCCIEENVLLQNLTVGSGNDIGERDITENPVSIGKNAATWSILA 329
QY 241 VLCLLVVAVAAIGWVCRCRCLQHSYAG 267
DB 330 VLCLLVVAVAAIGWVCRCRCLQHSYAG 356

RESULT 9

US-09-789-561-136
;; Sequence 136, Application US/09789561
;; Patent No. US20020064818A1
;; GENERAL INFORMATION:
;; APPLICANT: NI et al.
;; TITLE OF INVENTION: 52 Human secreted proteins
;; FILE REFERENCE: P2043P1
;; CURRENT APPLICATION NUMBER: US/09/789,561
;; CURRENT FILING DATE: 2001-02-22
;; PRIOR APPLICATION NUMBER: PCT/US00/24008
;; PRIOR FILING DATE: 2000-08-31
;; PRIOR APPLICATION NUMBER: 60/152,317
;; PRIOR FILING DATE: 1999-09-03
;; PRIOR APPLICATION NUMBER: 60/152,315
;; PRIOR FILING DATE: 1999-09-03
;; NUMBER OF SEQ ID NOS: 194
;; SOFTWARE: Patentln Ver. 2.0
;; SEQ ID NO 136
;; LENGTH: 302
;; TYPE: PRT
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: SITE
;; LOCATION: (128)
;; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-789-561-136

Query Match 99.6% Score 1388; DB 10; Length 302;
Best Local Similarity 99.6%; Pred. No. 2e-111;
Matches 266; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 EKEVAMGSDVELSCACPEGRFDLNDVYVWQTSSEKTYVTHIPONSSLENDVDSRYR 60
DB 22 EKEVAMGSDVELSCACPEGRFDLNDVYVWQTSSEKTYVTHIPONSSLENDVDSRYR 81
QY 61 NRALMSPAGMLRGDPSLRFLNVTPODEOKFHCGLVLSQSLGFOEVLSEVTLHVAANFSVP 120
DB 82 NRALMSPAGMLRGDPSLRFLNVTPODEOKFHCGLVLSQSLGFOEVLSEVTLHVAANFSVP 141

Query Match	99.68;	Score 1388;	DB 9;	Length 344;
Best Local Similarity	99.68;	Pred. No. 2.4e-111;		

Matches	266;	Conservative	0;	Mismatches	1;	Indels	0;	Gaps	0;
QY	1	EKEVRAVWGSDVELSCACPEGSRFIDLNDYVYVWQTSSEKTVYTHIIPQNSLSEVDSRR	60						
Db	64	EKEVRAVWGSDVELSCACPEGSRFIDLNDYVYVWQTSSEKTVYTHIIPQNSLSEVDSRR	123						
QY	61	NRAIAMPAGMLRQDFSLRLFNVTPODEQKFNCLVLSQSLGQFVLSYEVLTHVAANFSVP	120						
Db	124	NRAIAMPAGMLRQDFSLRLFNVTPODEQKFNCLVLSQSLGQFVLSXEYVLTHVAANFSVP	183						
QY	121	VVSAPHSPODELTFCTCSINGYPRPNYWIINKTDSNLDDAOLNDVFLNMGGLDYVS	180						
Db	184	VVSAPHSPODELTFCTCSINGYPRPNYWIINKTDSNLDDAOLNDVFLNMGGLDYVS	243						
QY	181	VLRIARPPSVNICCIENVLLOONLTVGSQGTNDIGERDKITENPVSTGKNAATWSILA	240						
Db	244	VLRIARPPSVNICCIENVLLOONLTVGSQGTNDIGERDKITENPVSTGKNAATWSILA	303						
QY	241	VLCLLVVAVAIIGWCRDRCLQHSYAG	267						
Db	304	VLCLLVVAVAIIGWCRDRCLQHSYAG	330						
RESULT 11									
US-09-764-853-812									
Sequence 812, Application US/09764853									
Patent No. US20020090672A1									
GENERAL INFORMATION:									
APPLICANT: Rosen et al.									
TITLE OR INVENTION: Nucleic Acids, Proteins, and Antipodles									
FILE REFERENCE: FUJ206									
CURRENT APPLICATION NUMBER: US/09/764,853									
CURRENT FILING DATE: 2001-01-17									
Prior application data removed - consult PALM or file wrapper									
NUMBER OF SEQ ID NOS: 939									
SOFTWARE: PatentIn Ver. 2.0									
SEQ ID NO 812									
LENGTH: 344									
TYPE: PRT									
ORGANISM: Homo sapiens									
FEATURE:									
NAME/KEY: SITE									
LOCATION: (170)									
OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids									
US-09-764-853-812									
Query Match 99.6%; Score 1388; DB 10; Length 344;									
Best Local Similarity 99.6%; Pred. No. 2,4e-111;									
Matches 266; Conservative 0; Mismatches 1; Indels 0; Gaps 0;									
QY	1	EKEVRAVWGSDVELSCACPEGSRFIDLNDYVYVWQTSSEKTVYTHIIPQNSLSEVDSRR	60						
Db	64	EKEVRAVWGSDVELSCACPEGSRFIDLNDYVYVWQTSSEKTVYTHIIPQNSLSEVDSRR	123						
QY	61	NRAIAMPAGMLRQDFSLRLFNVTPODEQKFNCLVLSQSLGQFVLSYEVLTHVAANFSVP	120						
Db	124	NRAIAMPAGMLRQDFSLRLFNVTPODEQKFNCLVLSQSLGQFVLSXEYVLTHVAANFSVP	183						
QY	121	VVSAPHSPODELTFCTCSINGYPRPNYWIINKTDSNLDDAOLNDVFLNMGGLDYVS	180						
Db	184	VVSAPHSPODELTFCTCSINGYPRPNYWIINKTDSNLDDAOLNDVFLNMGGLDYVS	243						
QY	181	VLRIARPPSVNICCIENVLLOONLTVGSQGTNDIGERDKITENPVSTGKNAATWSILA	240						
Db	244	VLRIARPPSVNICCIENVLLOONLTVGSQGTNDIGERDKITENPVSTGKNAATWSILA	303						
QY	241	VLCLLVVAVAIIGWCRDRCLQHSYAG	267						
Db	304	VLCLLVVAVAIIGWCRDRCLQHSYAG	330						
RESULT 12									
US-09-915-789a-11									

Query Match 45.7%; Score 636.5; DB 9; Length 307;
Best Local Similarity 51.3%; Pred. No. 6,4e-47;
Matches 140; Conservative 37; Mismatches 85; Indels 11; Gaps 7;

OY 2 KEVRNMSDVELSCACPEGSRFDINDVYVWQ-TSEKTYVTTHIP--QNSLENDSDR 58.
||| ||||||| |
Db 27 KEVRNMSDVELRCVYTRRSHEFSLDLDTLVQIVDEATVTYVTLPLPSANESSTHVS 86
||| ||||||| |
OY 59 YNRRLMSDAGMLRGDSFLRLFNVPIDQQRKFCVLISQSLSGEVLTSEVTLHTVAANFS 118

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RESULT 15 789A-1
US-09-915-789A-1
; Sequence 1, Application US/09915789A
; Patent No. US20020108762A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Lieping
; TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATORY
; TITLE OF INVENTION: MOLECULES
; FILE REFERENCE: 07039-219001

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RESULT 2
US-09-651-200-4
; Sequence 4, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 4
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-4

Query Match      19.5%; Score 272; DB 4; Length 441;
Best Local Similarity 31.3%; Pred. No. 2.9e-19;
Matches 84; Conservative 39; Mismatches 101; Indels 44; Gaps 10;

QY 1 EKEVRAMGSDVELSCACPEGRSFRDLNDVYVYVWQTSKTVYTHIPONSLENVD--SR 58
DB 160 EDPVALVGTADATLHCFSFEPGFSLAQLNLWQLTDTKQV-----HSFTGRRDQSA 213
QY 59 YNRNALMSPAGMLRGDFSLRLFNVTPODEKFFHCLVLSQSIGFQEVLSVEVTLHVAANFS 118
DB 214 YANRTALFPDLAOGNASLRQVRVADGSGFTCFVSIRDFG-----SAAVSLQVAAPYS 268
QY 119 VPVVASPHSPSQ-----DELFTCTTSINGYPRPNVYV-----INKTNSLLDQALNDTV 168
DB 269 KP--SMTLEPNKDLRPGDVTITTCSSYRGYPEAEVFMQDGGVPLTGNVTTSSQ----- 319
QY 169 FLNMRGLDVYVSLRIARTPSVNICCIENVLLQONLTGSSQGTGNDIGERDKITENPVST 228
DB 320 MANOGLFEDVHSLRVVLGANGTYSCLVRNPVLOOD-AHGSVY-----ITGQPMTF 369
QY 229 GEKNAATWSILAVLCLLVVAVAAIGWVC 256
DB 370 PPE--ALWVTVGLSVCLIALVALAFAVC 395

RESULT 3
US-09-651-200-6
; Sequence 6, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 6
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LENGTH: 534
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-6

Query Match      19.4%; Score 270; DB 4; Length 534;
Best Local Similarity 31.3%; Pred. No. 6.1e-19;
Matches 84; Conservative 39; Mismatches 101; Indels 44; Gaps 10;

QY 1 EKEVRAMGSDVELSCACPEGRSFRDLNDVYVYVWQTSKTVYTHIPONSLENVD--SR 58
DB 253 EDPVALVGTADATLHCFSFEPGFSLAQLNLWQLTDTKQV-----HSFTGRRDQSA 306
QY 59 YNRNALMSPAGMLRGDFSLRLFNVTPODEKFFHCLVLSQSIGFQEVLSVEVTLHVAANFS 118
DB 307 YANRTALFPDLAOGNASLRQVRVADGSGFTCFVSIRDFG-----SAAVSLQVAAPYS 361
QY 119 VPVVASPHSPSQ-----DELFTCTTSINGYPRPNVYV-----INKTNSLLDQALNDTV 168
DB 362 KP--SMTLEPNKDLRPGDVTITTCSSYRGYPEAEVFMQDGGVPLTGNVTTSSQ----- 412
QY 169 FLNMRGLDVYVSLRIARTPSVNICCIENVLLQONLTGSSQGTGNDIGERDKITENPVST 228
DB 413 MANOGLFEDVHSLRVVLGANGTYSCLVRNPVLOOD-AHGSVY-----ITGQPMTF 462
QY 229 GEKNAATWSILAVLCLLVVAVAAIGWVC 256
DB 463 PPE--ALWVTVGLSVCLIALVALAFAVC 488

RESULT 4
US-09-651-200-24
; Sequence 24, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 24
; LENGTH: 534
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Sequence
; OTHER INFORMATION: m25020.protein from Figure 4.
US-09-651-200-24

Query Match      19.4%; Score 270; DB 4; Length 534;
Best Local Similarity 31.3%; Pred. No. 6.1e-19;
Matches 84; Conservative 39; Mismatches 101; Indels 44; Gaps 10;

QY 1 EKEVRAMGSDVELSCACPEGRSFRDLNDVYVYVWQTSKTVYTHIPONSLENVD--SR 58
DB 253 EDPVALVGTADATLHCFSFEPGFSLAQLNLWQLTDTKQV-----HSFTGRRDQSA 306
QY 59 YNRNALMSPAGMLRGDFSLRLFNVTPODEKFFHCLVLSQSIGFQEVLSVEVTLHVAANFS 118
DB 307 YANRTALFPDLAOGNASLRQVRVADGSGFTCFVSIRDFG-----SAAVSLQVAAPYS 361
QY 119 VPVVASPHSPSQ-----DELFTCTTSINGYPRPNVYV-----INKTNSLLDQALNDTV 168
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GenCore version 5.1.4.p5.4578
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OM protein.- protein search, using sw model

Run on: May 24, 2003, 16:36:40 ; Search time 15.369 Seconds
(without alignments)
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Title: US-09-728-420c-17

Perfect score: 1571

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Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1571	100.0	302	9	US-09-896-738-13
2	1571	100.0	302	10	US-09-955-866-7
3	1570	99.9	302	9	US-09-915-789A-18
4	1570	99.9	343	10	US-09-764-853-630
5	1570	99.9	345	9	US-10-091-438-210
6	1570	99.9	345	10	US-09-764-853-810
7	1570	99.9	370	9	US-10-091-438-150
8	1566	99.7	302	10	US-09-789-561-136
9	1566	99.7	344	9	US-10-091-438-212
10	1553	98.9	344	10	US-09-764-853-812
11	1553	98.9	309	10	US-09-910-174A-7
12	1548	79.4	241	9	US-09-915-789A-11
13	688.5	43.8	307	9	US-09-866-050A-664
14	599.5	38.2	322	10	US-09-910-174A-29
15	296	18.8	316	9	US-09-915-789A-1
16	296	18.8	316	9	US-10-077-023-13
17	296	18.8	316	9	US-10-156-424A-2
18	296	18.8	316	9	US-10-156-424A-28
19	296	18.8	316	10	US-09-875-338-13

20	296	18.8	316	10	US-09-910-174A-24	Sequence 24, Appl
21	295	18.8	316	9	US-10-077-023-11	Sequence 11, Appl
22	295	18.8	316	10	US-09-875-338-11	Sequence 11, Appl
23	294	18.7	316	9	US-09-915-789A-3	Sequence 3, Appl1
24	292	18.6	316	9	US-09-978-295A-137	Sequence 137, App
25	292	18.6	316	9	US-09-896-738-14	Sequence 137, App
26	292	18.6	316	9	US-09-978-697-137	Sequence 137, App
27	292	18.6	316	9	US-09-978-192A-137	Sequence 137, App
28	292	18.6	316	9	US-09-999-832A-137	Sequence 137, App
29	292	18.6	316	9	US-09-790-622-4	Sequence 4, Appl1
30	292	18.6	316	9	US-09-978-189-137	Sequence 137, App
31	292	18.6	316	9	US-10-174-590-54	Sequence 54, Appl
32	292	18.6	316	9	US-10-176-758-54	Sequence 54, Appl
33	292	18.6	316	9	US-10-175-737-54	Sequence 54, Appl
34	292	18.6	316	9	US-10-173-706-54	Sequence 54, Appl
35	292	18.6	316	9	US-10-175-738-54	Sequence 54, Appl
36	292	18.6	316	9	US-10-175-752-54	Sequence 54, Appl
37	292	18.6	316	9	US-10-176-482-54	Sequence 54, Appl
38	292	18.6	316	9	US-10-176-757-54	Sequence 54, Appl
39	292	18.6	316	9	US-10-176-913-54	Sequence 54, Appl
40	292	18.6	316	9	US-10-180-552-54	Sequence 54, Appl
41	292	18.6	316	9	US-10-180-557-54	Sequence 54, Appl
42	292	18.6	316	9	US-10-173-700-54	Sequence 54, Appl
43	292	18.6	316	9	US-10-174-572-54	Sequence 54, Appl
44	292	18.6	316	9	US-10-174-579-54	Sequence 54, Appl
45	292	18.6	316	9	US-10-174-582-54	Sequence 54, Appl

ALIGNMENTS

RESULT 1
US-09-896-738-13
; Sequence 13, Application US/09896738
; Patent No. US20020165347A1
; GENERAL INFORMATION:
; APPLICANT: Sullivan, John K.
; APPLICANT: Fang, Mei
; TITLE OF INVENTION: B7-Like Molecules and Uses Thereof
; FILE REFERENCE: 00-513-A
; CURRENT APPLICATION NUMBER: US/09/896, 738
; CURRENT FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: 60/215, 645
; PRIOR FILING DATE: 2000-06-30
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 302
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-896-738-13

Query Match 100.0%; Score 1571; DB 9; Length 302;
Best Local Similarity 100.0%; Pred. No. 3.4e-122;
Matches 302; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MRLGSPGLFLFFSLRADTQKEVRAWGSVYELSCACPEGRDLDVYVYVWQTSRK 60	
DB	1	MRLGSPGLFLFFSLRADTQKEVRAWGSVYELSCACPEGRDLDVYVYVWQTSRK 60	
QY	61	TYVYTHIIPNSSLNVDSRYRRALMSVAGMLRGFSRLFNVPQDQKFKCLVLSSTL 120	
DB	61	TYVYTHIIPNSSLNVDSRYRRALMSVAGMLRGFSRLFNVPQDQKFKCLVLSSTL 120	
QY	121	GRQEVLSVEVTLVVAANESVPAVSAAPHSPDSODELFTCTGSINGYRPNVYVWQTSNLSL 180	
DB	121	GRQEVLSVEVTLVVAANESVPAVSAAPHSPDSODELFTCTGSINGYRPNVYVWQTSNLSL 180	
QY	181	DOALQNDVFEFLMGRGLYDVVSLRTARPSVATIGCCITNVLLQQLTVGSGTQNDIGSRD 240	
DB	181	DOALQNDVFEFLMGRGLYDVVSLRTARPSVATIGCCITNVLLQQLTVGSGTQNDIGSRD 240	

QY 241 KITEMPVSTGEKNAATWSILAVLCLLVVAVAIGWVCRDCLQHSYAGAMAVSPETELTG 300
 |||
 Db 241 KITEMPVSTGEKNAATWSILAVLCLLVVAVAIGWVCRDCLQHSYAGAMAVSPETELTG 300
 QY 301 HV 302
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 Db 301 HV 302

RESULT 2

US-09-955-866-7
 ; Sequence 7, Application US/09955866
 ; Patent No. US20020107363A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Fox, Michael
 ; APPLICANT: Sullivan, John K.
 ; APPLICANT: Holist, Paige
 ; APPLICANT: Yoshinaga, Steven Kiyoshi
 ; TITLE OF INVENTION: B7-Like Polypeptides and Uses Thereof
 ; FILE REFERENCE: 00,759-A
 ; CURRENT APPLICATION NUMBER: US/09/955,866
 ; PRIOR FILING DATE: 2001-09-19
 ; PRIOR APPLICATION NUMBER: 60/723,867
 ; NUMBER OF SEQ ID NOS: 30
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 7
 ; LENGTH: 302
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-955-866-7

Query Match 100.0%; Score 1571; DB 10; Length 302;
 Best Local Similarity 100.0%; Pred. No. 3,4e-122;
 Matches 302; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLGSPGLFLFLFSSLRADTQEKVRAMVGSDELSCACPEGSRFDLNDVYVWQTSSEK 60
 |||
 Db 1 MRLGSPGLFLFLFSSLRADTQEKVRAMVGSDELSCACPEGSRFDLNDVYVWQTSSEK 60
 QY 61 TVVTYHIPONSSLENDVSRNRALMSRAGMLRGDFSLRFNTVPDDEKFFHCLVLSQSL 120
 |||
 Db 61 TVVTYHIPONSSLENDVSRNRALMSRAGMLRGDFSLRFNTVPDDEKFFHCLVLSQSL 120
 QY 121 GFOEVLSEVTLHVAANFSVPVVSAPHSPSODELFTFTCTISNGYPRPNVYWKTDNSLL 180
 |||
 Db 121 GFOEVLSEVTLHVAANFSVPVVSAPHSPSODELFTFTCTISNGYPRPNVYWKTDNSLL 180
 QY 181 DQALQNDTVFLNMRGLDYVSVLRARTPSVNIIGCCIEENVLLQONLTVGSQTDNDIGERD 240
 |||
 Db 181 DQALQNDTVFLNMRGLDYVSVLRARTPSVNIIGCCIEENVLLQONLTVGSQTDNDIGERD 240
 QY 241 KITEMPVSTGEKNAATWSILAVLCLLVVAVAIGWVCRDCLQHSYAGAMAVSPETELTG 300
 |||
 Db 241 KITEMPVSTGEKNAATWSILAVLCLLVVAVAIGWVCRDCLQHSYAGAMAVSPETELTG 300
 QY 301 HV 302
 |||
 Db 301 HV 302

RESULT 3

US-09-915-789A-18
 ; Sequence 18, Application US/09915789A
 ; Patent No. US20020168762A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Chen, Lieping
 ; TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATORY
 ; MOLECULES
 ; FILE REFERENCE: 07039-219001
 ; CURRENT APPLICATION NUMBER: US/09/915,789A
 ; CURRENT FILING DATE: 2002-06-04
 ; PRIOR APPLICATION NUMBER: US 60/220,991

; PRIOR FILING DATE: 2000-07-27
 ; NUMBER OF SEQ ID NOS: 23
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 18
 ; LENGTH: 302
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-915-789A-18

Query Match 99.9%; Score 1570; DB 9; Length 302;
 Best Local Similarity 99.7%; Pred. No. 4,1e-122;
 Matches 301; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLGSPGLFLFLFSSLRADTQEKVRAMVGSDELSCACPEGSRFDLNDVYVWQTSSEK 60
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 Db 1 MRLGSPGLFLFLFSSLRADTQEKVRAMVGSDELSCACPEGSRFDLNDVYVWQTSSEK 60
 QY 61 TVVTYHIPONSSLENDVSRNRALMSRAGMLRGDFSLRFNTVPDDEKFFHCLVLSQSL 120
 |||
 Db 61 TVVTYHIPONSSLENDVSRNRALMSRAGMLRGDFSLRFNTVPDDEKFFHCLVLSQSL 120
 QY 121 GFOEVLSEVTLHVAANFSVPVVSAPHSPSODELFTFTCTISNGYPRPNVYWKTDNSLL 180
 |||
 Db 121 GFOEVLSEVTLHVAANFSVPVVSAPHSPSODELFTFTCTISNGYPRPNVYWKTDNSLL 180
 QY 181 DQALQNDTVFLNMRGLDYVSVLRARTPSVNIIGCCIEENVLLQONLTVGSQTDNDIGERD 240
 |||
 Db 181 DQALQNDTVFLNMRGLDYVSVLRARTPSVNIIGCCIEENVLLQONLTVGSQTDNDIGERD 240
 QY 241 KITEMPVSTGEKNAATWSILAVLCLLVVAVAIGWVCRDCLQHSYAGAMAVSPETELTG 300
 |||
 Db 241 KITEMPVSTGEKNAATWSILAVLCLLVVAVAIGWVCRDCLQHSYAGAMAVSPETELTG 300
 QY 301 HV 302
 |||
 Db 301 HV 302

RESULT 4

US-09-764-853-630
 ; Sequence 630, Application US/09764853
 ; Patent No. US20020090672A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 ; FILE REFERENCE: P3206
 ; CURRENT APPLICATION NUMBER: US/09/764,853
 ; PRIOR APPLICATION data removed - consult PALM or file wrapper
 ; NUMBER OF SEQ ID NOS: 939
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 630
 ; LENGTH: 343
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-764-853-630

Query Match 99.9%; Score 1570; DB 10; Length 343;
 Best Local Similarity 99.7%; Pred. No. 4,7e-122;
 Matches 301; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLGSPGLFLFLFSSLRADTQEKVRAMVGSDELSCACPEGSRFDLNDVYVWQTSSEK 60
 |||
 Db 42 MRLGSPGLFLFLFSSLRADTQEKVRAMVGSDELSCACPEGSRFDLNDVYVWQTSSEK 101
 QY 61 TVVTYHIPONSSLENDVSRNRALMSRAGMLRGDFSLRFNTVPDDEKFFHCLVLSQSL 120
 |||
 Db 102 TVVTYHIPONSSLENDVSRNRALMSRAGMLRGDFSLRFNTVPDDEKFFHCLVLSQSL 161
 QY 121 GFOEVLSEVTLHVAANFSVPVVSAPHSPSODELFTFTCTISNGYPRPNVYWKTDNSLL 180
 |||
 Db 162 GFOEVLSEVTLHVAANFSVPVVSAPHSPSODELFTFTCTISNGYPRPNVYWKTDNSLL 221

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QY 181 DOALONDTFVLMNGLYVSVLRIARTPSVNICCIENVLLOONTLVGSGTGNDIGERD 240
    |||||
Db 222 DOALONDTFVLMNGLYVSVLRIARTPSVNICCIENVLLOONTLVGSGTGNDIGERD 281
QY 241 KITEPVSTGSKNATWSILAVCLLVYVAVAIGWCDRCLQHSYAGAMVSEPELTG 300
    |||||
Db 282 KITEPVSTGSKNATWSILAVCLLVYVAVAIGWCDRCLQHSYAGAMVSEPELTG 341
QY 301 HV 302
    ||
Db 342 HV 343

RESULT 5
US-10-091-438-210
: Sequence 210, Application US/10091438
: Publication No. US20030077606A1
: GENERAL INFORMATION:
: APPLICANT: Rosen et al.
: TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
: FILE REFERENCE: PT217C1
: CURRENT APPLICATION NUMBER: US/10/091,438
: CURRENT FILING DATE: 2001-01-17
: PRIOR APPLICATION NUMBER: 09/764,879
: PRIOR FILING DATE: 2001-01-17
: PRIOR APPLICATION NUMBER: 60/179,065
: PRIOR FILING DATE: 2000-01-31
: PRIOR APPLICATION NUMBER: 60/180,628
: PRIOR FILING DATE: 2000-02-04
: PRIOR APPLICATION NUMBER: 60/214,886
: PRIOR FILING DATE: 2000-06-28
: PRIOR APPLICATION NUMBER: 60/217,487
: PRIOR FILING DATE: 2000-07-11
: PRIOR APPLICATION NUMBER: 60/225,758
: PRIOR FILING DATE: 2000-08-14
: PRIOR APPLICATION NUMBER: 60/220,963
: PRIOR FILING DATE: 2000-07-26
: PRIOR APPLICATION NUMBER: 60/217,496
: PRIOR FILING DATE: 2000-07-11
: PRIOR APPLICATION NUMBER: 60/225,447
: PRIOR FILING DATE: 2000-08-14
: PRIOR APPLICATION NUMBER: 60/218,290
: PRIOR FILING DATE: 2000-07-14
: PRIOR APPLICATION NUMBER: 60/225,757
: PRIOR FILING DATE: 2000-08-14
: PRIOR APPLICATION NUMBER: 60/226,868
: PRIOR FILING DATE: 2000-08-22
: PRIOR APPLICATION NUMBER: 60/216,647
: PRIOR FILING DATE: 2000-07-07
: PRIOR APPLICATION NUMBER: 60/225,267
: PRIOR FILING DATE: 2000-08-14
: PRIOR APPLICATION NUMBER: 60/216,880
: PRIOR FILING DATE: 2000-07-07
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: PRIOR APPLICATION NUMBER: 60/236,369
: PRIOR FILING DATE: 2000-09-29
: PRIOR APPLICATION NUMBER: 60/224,519
: PRIOR FILING DATE: 2000-08-14
: PRIOR APPLICATION NUMBER: 60/220,964
: PRIOR FILING DATE: 2000-07-26

: PRIOR APPLICATION NUMBER: 60/241,809
: PRIOR FILING DATE: 2000-10-20
: PRIOR APPLICATION NUMBER: 60/249,299
: PRIOR FILING DATE: 2000-11-17
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: PRIOR APPLICATION NUMBER: 60/241,785
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: PRIOR APPLICATION NUMBER: 60/244,617
: PRIOR FILING DATE: 2000-11-01
: PRIOR APPLICATION NUMBER: 60/225,268
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: PRIOR FILING DATE: 2000-09-29
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: PRIOR APPLICATION NUMBER: 60/237,038
: PRIOR FILING DATE: 2000-10-02
: PRIOR APPLICATION NUMBER: 60/236,370
: PRIOR FILING DATE: 2000-09-29
: PRIOR APPLICATION NUMBER: 60/236,802
: PRIOR FILING DATE: 2000-10-02
: PRIOR APPLICATION NUMBER: 60/237,037
: PRIOR FILING DATE: 2000-10-02
: PRIOR APPLICATION NUMBER: 60/237,040
: PRIOR FILING DATE: 2000-10-02
: PRIOR APPLICATION NUMBER: 60/240,960
: PRIOR FILING DATE: 2000-10-20
: PRIOR APPLICATION NUMBER: 60/239,935
: PRIOR FILING DATE: 2000-10-13
: PRIOR APPLICATION NUMBER: 60/239,937
: PRIOR FILING DATE: 2000-10-13
: PRIOR APPLICATION NUMBER: 60/241,787
: PRIOR FILING DATE: 2000-10-20
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: PRIOR FILING DATE: 2000-11-08
: PRIOR APPLICATION NUMBER: 60/249,216
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: PRIOR FILING DATE: 2000-08-14
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: PRIOR APPLICATION NUMBER: 60/227,182
: PRIOR FILING DATE: 2000-08-22
: PRIOR APPLICATION NUMBER: 60/225,214
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;; PRIOR FILING DATE: 2000-08-14
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;; PRIOR FILING DATE: 2000-09-27
;; PRIOR APPLICATION NUMBER: 60/230,438
;; PRIOR FILING DATE: 2000-09-06
;; PRIOR APPLICATION NUMBER: 60/215,135
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;; PRIOR APPLICATION NUMBER: 60/249,264
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,214
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,297
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/232,400
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/231,242
;; PRIOR FILING DATE: 2000-09-08
;; PRIOR APPLICATION NUMBER: 60/232,081
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;; PRIOR APPLICATION NUMBER: 60/232,399
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/232,401
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/241,808
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/241,826
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/241,786
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/241,221
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/246,475
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/231,243
;; PRIOR FILING DATE: 2000-09-08

Query Match 99.9%: Score 1570: DB 9: Length 345;
Best Local Similarity 99.7%: Pred. No. 4.8e-122;
Matches 301: Conservative 1: Mismatches 0: Indels 0: Gaps 0;

QY 1 MRLGSPGLLFLLFSSLRADTQEKVRAMVSDVELSCACPEGSRPDLNDVYVYVWQTSSEK 60
DB 44 MRLGSPGLLFLLFSSLRADTQEKVRAMVSDVELSCACPEGSRPDLNDVYVYVWQTSSEK 103
QY 61 TVVTVYHIIPONSSLENDVSRNRNALMSPAGMLRGDSLFLFVNTQDDEKFKCLVLSQSL 120
DB 104 TVVTVYHIIPONSSLENDVSRNRNALMSPAGMLRGDSLFLFVNTQDDEKFKCLVLSQSL 163
QY 121 GFOEVLSVEVTLHVAANFSPVVSAPHSODELFTCTISINGYRPNNYWKTKDNSL 180
DB 164 GFOEVLSIEVTLHVAANFSPVVSAPHSODELFTCTISINGYRPNNYWKTKDNSL 223
QY 181 DQALQNDTVFLNMRGLYDVVSVLRIRTPSVNIGCCIEENVLLQONLTJGSGTGNDIGERD 240
DB 224 DQALQNDTVFLNMRGLYDVVSVLRIRTPSVNIGCCIEENVLLQONLTJGSGTGNDIGERD 283
QY 241 KITEENVSTGEKNAATWSILAVLCLLVVAVAIGWVCRCRCLQHSYAGAMAVSPETELTG 300
DB 284 KITEENVSTGEKNAATWSILAVLCLLVVAVAIGWVCRCRCLQHSYAGAMAVSPETELTG 343
QY 301 HV 302
DB 344 HV 345

RESULT 6
US-09-764-853-810
; Sequence 810, Application US/09764853
; Patent No. US2002090672A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P1206
; CURRENT APPLICATION NUMBER: US/09/764,853
; PRIOR FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 939
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 810
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-853-810

Query Match 99.9%: Score 1570: DB 10: Length 345;
Best Local Similarity 99.7%: Pred. No. 4.8e-122;
Matches 301: Conservative 1: Mismatches 0: Indels 0: Gaps 0;
QY 1 MRLGSPGLLFLLFSSLRADTQEKVRAMVSDVELSCACPEGSRPDLNDVYVYVWQTSSEK 60
DB 44 MRLGSPGLLFLLFSSLRADTQEKVRAMVSDVELSCACPEGSRPDLNDVYVYVWQTSSEK 103
QY 61 TVVTVYHIIPONSSLENDVSRNRNALMSPAGMLRGDSLFLFVNTQDDEKFKCLVLSQSL 120
DB 104 TVVTVYHIIPONSSLENDVSRNRNALMSPAGMLRGDSLFLFVNTQDDEKFKCLVLSQSL 163
QY 121 GFOEVLSVEVTLHVAANFSPVVSAPHSODELFTCTISINGYRPNNYWKTKDNSL 180
DB 164 GFOEVLSIEVTLHVAANFSPVVSAPHSODELFTCTISINGYRPNNYWKTKDNSL 223
QY 181 DQALQNDTVFLNMRGLYDVVSVLRIRTPSVNIGCCIEENVLLQONLTJGSGTGNDIGERD 240
DB 224 DQALQNDTVFLNMRGLYDVVSVLRIRTPSVNIGCCIEENVLLQONLTJGSGTGNDIGERD 283
QY 241 KITEENVSTGEKNAATWSILAVLCLLVVAVAIGWVCRCRCLQHSYAGAMAVSPETELTG 300
DB 284 KITEENVSTGEKNAATWSILAVLCLLVVAVAIGWVCRCRCLQHSYAGAMAVSPETELTG 343
QY 301 HV 302
DB 344 HV 345

RESULT 7
US-10-091-438-150
Sequence 150, Application US/10091438
Publication No. US20030077606A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PT217C1
CURRENT APPLICATION NUMBER: US/10/091,438
CURRENT FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,879
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 60/179,065
PRIOR FILING DATE: 2000-01-31
PRIOR APPLICATION NUMBER: 60/180,628
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: 60/214,886
PRIOR FILING DATE: 2000-06-28
PRIOR APPLICATION NUMBER: 60/217,487
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/225,758
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/220,963
PRIOR FILING DATE: 2000-07-26
PRIOR APPLICATION NUMBER: 60/217,496
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/225,447
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/218,290
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: 60/225,757
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/226,868
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 60/216,647
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: 60/225,267
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/216,880
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: 60/225,270
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/251,869
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PRIOR APPLICATION NUMBER: 60/235,834
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PRIOR APPLICATION NUMBER: 60/234,223
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: 60/228,924
PRIOR FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/224,518
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/236,369
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/224,519
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/220,964
PRIOR FILING DATE: 2000-07-26
PRIOR APPLICATION NUMBER: 60/241,809
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/249,299
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/236,327
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/241,785
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/244,617
PRIOR FILING DATE: 2000-11-01
PRIOR APPLICATION NUMBER: 60/225,268
PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/236,368
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/251,856
PRIOR FILING DATE: 2000-12-08
PRIOR APPLICATION NUMBER: 60/251,868
PRIOR FILING DATE: 2000-12-08
PRIOR APPLICATION NUMBER: 60/229,344
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PRIOR APPLICATION NUMBER: 60/234,997
PRIOR FILING DATE: 2000-09-25
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PRIOR FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: 60/229,513
PRIOR FILING DATE: 2000-09-05
PRIOR APPLICATION NUMBER: 60/231,413
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/229,509
PRIOR FILING DATE: 2000-09-05
PRIOR APPLICATION NUMBER: 60/236,367
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/237,039
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/237,038
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/236,370
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/236,802
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/237,037
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/237,040
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/240,960
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/239,935
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: 60/239,937
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: 60/241,787
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/246,474
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/246,532
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/249,216
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PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/226,681
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 60/225,759
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PRIOR APPLICATION NUMBER: 60/225,213
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PRIOR APPLICATION NUMBER: 60/225,214
PRIOR FILING DATE: 2000-08-14
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PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: 60/230,438
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PRIOR APPLICATION NUMBER: 60/215,135
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PRIOR APPLICATION NUMBER: 60/225,266
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/249,218
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,208

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PRIOR APPLICATION NUMBER: 60/232, 081
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/232, 080
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PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/231, 244
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/233, 064
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/233, 063
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PRIOR APPLICATION NUMBER: 60/232, 397
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PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/246, 475
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/231, 243
PRIOR FILING DATE: 2000-09-08

Query Match	99.9%	Score 1570	DB 9	Length 370
Best Local Similarity	99.7%	Pred. No.5.2e-122		
Matches 301	Conservative	1	Mismatches 0	Indels 0
QY	1	MRLSGGLLEFLFSSLRADTOEKERVAMGSDVELSCACPEGSRFDDINDYVYVQTSSEK	60	
Db	69	MRLSGGLLEFLFSSLRADTOEKERVAMGSDVELSCACPEGSRFDDINDYVYVQTSSEK	128	
QY	61	TVVYTHIPONSSLENDSDRYRNKALMSGMLRGDFSRLFNVPYPODEQKPHCLVLSQSL	120	
Db	129	TVVYTHIPONSSLENDSDRYRNKALMSGMLRGDFSRLFNVPYPODEQKPHCLVLSQSL	188	
QY	121	GFQEVLSVEVTLVVAANFSPVPVSAAPHSSODELFTCTSTINGVPRRNVYWKNTDSSL	180	
Db	189	GFQEVLSIEVTLVVAANFSPVPVSAAPHSSODELFTCTSTINGVPRRNVYWKNTDSSL	248	

QY	101	DOALONDVFLNMGSLXVVSVLHARTPSVNI	GGCCLENNVLQONLTVGSOTGNDIGERD	2410
Db	249	DOALONDVFLNMGSLXVVSVLHARTPSVNI	GGCCLENNVLQONLTVGSOTGNDIGERD	3089
QY	241	KITENPVSTGERNAATWSILVAVLCLLVVAAV	IGMWCRODLOHSTYAGAAVSPETELTG	3009
Db	309	KITENPVSTGERNAATWSILVAVLCLLVVAAV	IGMWCRODLOHSTYAGAAVSPETELTG	3669
QY	301	HW	302	
Db	369	HW	370	

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? RESULT 8
? US-09-789-561-136
? Sequence 136, Application US/09789561
? Patent No. US20020064818a1
? GENERAL INFORMATION:
? APPLICANT: Ni et al.
? TITLE OF INVENTION: 52 Human secreted proteins
? FILE REFERENCE: P2043p1
? CURRENT APPLICATION NUMBER: US/09/789,561
? CURRENT FILING DATE: 2001-02-22
? PRIOR APPLICATION NUMBER: PCT/US00/24008
? PRIOR FILING DATE: 2000-08-31
? PRIOR APPLICATION NUMBER: 60/152,317
? PRIOR FILING DATE: 1999-09-03
? PRIOR APPLICATION NUMBER: 60/152,315
? PRIOR FILING DATE: 1999-09-03
? NUMBER OF SEQ ID NOS: 194
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 136
? LENGTH: 302
? TYPE: PRT
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: SITE
? LOCATION: (128)
? OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids
? US-09-789-561-136

```

	Query Match	99.7%;	Score 1566;	DB 10;	Length 1302;	
	Best Local Similarity	99.7%;	Pred. No. 8.7e-122;			
	Matches 301; Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0	
Dy	1 MRLSPGLLELFLFSSLRADFOEKEVRAMGSGVELSCAPCGSRFDLDVYVWQTSSEK 60					
Dd	1 MRLSPGLLELFLFSSLRADFOEKEVRAMGSGVELSCAPCGSRFDLDVYVWQTSSEK 60					
Dy	61 TVVTYTHIPONSSLLENDSRYRNALMSPGMGRGDFSLRLENVTPODEQKHCLVLSQS 120					
Dd	61 TVVTYTHIPONSSLLENDSRYRNALMSPGMGRGDFSLRLENVTPODEQKHCLVLSQS 120					
Dy	121 GFEVLLEVETLVHYAANESVPVVSAPHSPSODELFPTCSINGYPRPVVYINKTDSKL 180					
Dd	121 GFQEVLSXEVTLHYAANFSVPVVSAPHSPSODELFPTCSINGYPRPVVYINKTDSKL 180					
Dy	181 DQALONDVFELNMRGLDYVVSYLRIARTPSVNIIGCCIEENVLLQONTLVGSGTGNDIGERD 240					
Dd	181 DQALONDVFELNMRGLDYVVSYLRIARTPSVNIIGCCIEENVLLQONTLVGSGTGNDIGERD 240					
Dy	241 KITEPNPSTGEKNAAWTSLAVICLLLYVVAIVAGVWCEDRCLOHSYGAMA VSPETELTG 300					
Dd	241 KITEPNPSTGEKNAAWTSLAVICLLLYVVAIVAGVWCEDRCLOHSYGAMA VSPETELTG 300					
Dy	301 HV 302					
Dd	301 HV 302					

Sequence 212, Application US/10091438
Publication No. US2003007606A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PTZ17C1
CURRENT APPLICATION NUMBER: US/10/091,438
CURRENT FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,879
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 60/179,065
PRIOR FILING DATE: 2000-01-31
PRIOR APPLICATION NUMBER: 60/180,628
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: 60/214,886
PRIOR FILING DATE: 2000-06-28
PRIOR APPLICATION NUMBER: 60/217,487
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/225,758
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/220,963
PRIOR FILING DATE: 2000-07-26
PRIOR APPLICATION NUMBER: 60/211,496
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/225,447
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/218,290
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: 60/225,757
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/226,868
PRIOR FILING DATE: 2000-08-23
PRIOR APPLICATION NUMBER: 60/216,647
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: 60/225,267
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/216,880
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: 60/225,270
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/251,869
PRIOR FILING DATE: 2000-12-08
PRIOR APPLICATION NUMBER: 60/235,834
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: 60/234,274
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: 60/234,223
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: 60/228,924
PRIOR FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/224,518
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/236,369
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/224,519
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/220,964
PRIOR FILING DATE: 2000-07-26
PRIOR APPLICATION NUMBER: 60/241,809
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/249,299
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/236,327
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/241,785
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/244,617
PRIOR FILING DATE: 2000-11-01
PRIOR APPLICATION NUMBER: 60/225,268
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/236,368
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/251,856

PRIOR FILING DATE: 2000-12-08
PRIOR APPLICATION NUMBER: 60/251,868
PRIOR FILING DATE: 2000-12-08
PRIOR APPLICATION NUMBER: 60/229,344
PRIOR FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: 60/234,997
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: 60/229,343
PRIOR FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: 60/229,345
PRIOR FILING DATE: 2000-09-01
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PRIOR FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: 60/229,513
PRIOR FILING DATE: 2000-09-05
PRIOR APPLICATION NUMBER: 60/231,413
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/229,509
PRIOR FILING DATE: 2000-09-05
PRIOR APPLICATION NUMBER: 60/236,367
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/237,039
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/237,038
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/236,370
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/236,802
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/237,037
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/237,040
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/240,960
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/239,935
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: 60/239,937
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: 60/241,787
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/246,474
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/246,532
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/249,216
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,210
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/226,681
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 60/225,759
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/225,213
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/227,182
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 60/225,214
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/235,836
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: 60/230,438
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/215,135
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: 60/225,266
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/249,218
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,208
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,213

PRIOR APPLICATION NUMBER: 60/249,212
 PRIOR FILING DATE: 2000-11-17
 PRIOR APPLICATION NUMBER: 60/249,207
 PRIOR FILING DATE: 2000-11-17
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 PRIOR FILING DATE: 2000-11-17
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 PRIOR FILING DATE: 2000-11-17
 PRIOR APPLICATION NUMBER: 60/249,217
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 PRIOR FILING DATE: 2000-11-17
 PRIOR APPLICATION NUMBER: 60/249,264
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 PRIOR APPLICATION NUMBER: 60/249,297
 PRIOR FILING DATE: 2000-11-17
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 PRIOR FILING DATE: 2000-09-08
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 PRIOR FILING DATE: 2000-09-08
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 PRIOR APPLICATION NUMBER: 60/233,063
 PRIOR FILING DATE: 2000-09-14
 PRIOR APPLICATION NUMBER: 60/232,397
 PRIOR FILING DATE: 2000-09-14
 PRIOR APPLICATION NUMBER: 60/232,399
 PRIOR FILING DATE: 2000-09-14
 PRIOR APPLICATION NUMBER: 60/232,401
 PRIOR FILING DATE: 2000-09-14
 PRIOR APPLICATION NUMBER: 60/241,808
 PRIOR FILING DATE: 2000-10-20
 PRIOR APPLICATION NUMBER: 60/241,826
 PRIOR FILING DATE: 2000-10-20
 PRIOR APPLICATION NUMBER: 60/241,786
 PRIOR FILING DATE: 2000-10-20
 PRIOR APPLICATION NUMBER: 60/241,221
 PRIOR FILING DATE: 2000-10-20
 PRIOR APPLICATION NUMBER: 60/246,475
 PRIOR FILING DATE: 2000-11-08
 PRIOR APPLICATION NUMBER: 60/231,243
 PRIOR FILING DATE: 2000-09-08

Query Match	99.7%	Score 1566:	DB 9:	Length 344:
Best Local Similarity	99.7%:	Pred. No. 1e-121:		
Matches 301:	Conservative 0:	Mismatches 1:	Indels 0:	Gaps 0:
OY	1	MLRSLPGLLFLFLSSLRADTQKEYRANVGSVYELSCACPESSRPDLNYYVYVWQTSSEK	60	
Db	43	MLRSLPGLLFLFLSSLRADTQKEYRANVGSVYELSCACPESSRPDLNYYVYVWQTSSEK	102	
OY	61	TVVYTHIPONSLENVDSRYRNRALMSPAGMLRGDFSLFLFVNPQDEQKFCFLVLSQSL	120	
Db	103	TVVYTHIPONSLENVDSRYRNRALMSPAGMLRGDFSLFLFVNPQDEQKFCFLVLSQSL	162	
OY	121	GRQEVLSVSVTLAHVAANESVPYVSAAPHSSQDELFTCTCSINGYRPPNPYYWLNKIDNSLL	180	
Db	163	GRQEVLSVSVTLAHVAANESVPYVSAAPHSSQDELFTCTCSINGYRPPNPYYWLNKIDNSLL	222	
OY	181	DQALNDVTFELNMRGLDYDVSVLRIARTPSVNI GCCIENVLQOQLTVGSQGTGNDIGERD	240	

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Db      223   DQALNDPTVLNRRGLYDVSVRIARFSPVNIIGCCIEINVLLQNQLTVGSQTGNDIGERD    282
OY      241   KITEPNYSTGEKNAATWSILIAVICLIVVAIVAIGNWCDCRCLOHSHYAGAMAVSEFTLTG    300
          |||||||
Db      283   KITENPVSYTEKNAAWTSLIAYICLVVVVAIGAIVCDBRCLOHSHYAGAMAVSETELGT        342
OY      301   HV 302
          ||
Db      343   HV 344

RESULT 10
US-09-764-853--812
Sequence 812, Application US/09764853
Patent No. US20020090672A1
GENERAL INFORMATION:
;
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PJZ06
CURRENT APPLICATION NUMBER: US/09/764,853
CURRENT FILING DATE: 2001-01-17
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 939
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 812
LENGTH: 344
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (170)
OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids
US-09-764-853--812
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Query Match	99.7%	Score 1566;	DB 10;	Length 344;
Best Local Similarity	99.7%	Pred. No. 1e-121;		
Matches 301; Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0;
QY 1	MLRGSFGLFLFFSSLRADTQKEVRAVWGSDVELSCACPEGSRELDINDVYVWQTSSEK	60		
DB 43	MLRGSFGLFLFFSSLRADTQKEVRAVWGSDVELSCACPEGSRELDINDVYVWQTSSEK	102		
QY 61	TVVYTHIPQNSSLENVDSRYRNRRLMSFAGMLRGDFSLRLFNVPDQQRKHCIVLSQSL	120		
DB 103	TVVYTHIPQNSSLENVDSRYRNRRLMSFAGMLRGDFSLRLFNVPDQQRKHCIVLSQSL	162		
QY 121	GQOEVLVSQVTLTHVAANSPVPVSAAPHSPSODELFTCTSI NGYPRPVWYINKTDNSLL	180		
DB 163	GQOEVLVSQVTLTHVAANSPVPVSAAPHSPSODELFTCTSI NGYPRPVWYINKTDNSLL	222		
QY 181	DQALQNDQTFELMNRGLYDVSVYLRIARTPSYIGCCIEVLLQQLTVGSOTGNDIGERD	240		
DB 223	DQALQNDQTFELMNRGLYDVSVYLRIARTPSYIGCCIEVLLQQLTVGSOTGNDIGERD	282		
QY 241	KITENPVSSTGEKNAATWSLLAVLCLLVYVAVAI GWCGDRCLQHSYACAAWVSPETELTG	300		
DB 283	KITENPVSSTGEKNAATWSLLAVLCLLVYVAVAI GWCGDRCLQHSYACAAWVSPETELTG	342		
QY 301	HV 302			
DB 343	HV 344			

RESULT 11

US-09-910-174A-7

; Sequence 7, Application US/09910174A

; Patent No. US20020106730A1

; GENERAL INFORMATION:

; APPLICANT: Coyle, Anthony J.

; APPLICANT: Fraser, Christopher C.

; APPLICANT: Manning, Stephen

; TITLE OF INVENTION: B7-H2 Molecules, No. US20020106730A1el Members of the B7

; TITLE OF INVENTION: B7-H2 Molecules, No. US20020106730A1el Members of the B7

FILE REFERENCE: 35800/236924
 CURRENT APPLICATION NUMBER: US/09/910,174A
 PRIOR FILING DATE: 2001-07-20
 PRIOR APPLICATION NUMBER: US 09/620,461
 PRIOR FILING DATE: 2000-07-20
 NUMBER OF SEQ ID NOS: 32
 SOFTWARE: FASTSEQ for Windows Version 4.0
 SEQ ID NO: 7
 LENGTH: 309
 TYPE: PRF
 ORGANISM: Homo sapiens
 US-09-910-174A-7

Query Match 98.9%; Score 1553; DB 10; Length 309;
 Best Local Similarity 100.0%; Pred. No. 1,1e-120;
 Matches 299; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRISPGILFLFSLRADQEKVRAMVSDVLSACBEGSRFDLNDVYVWQTSSEK 60
 1 MRISPGILFLFSLRADQEKVRAMVSDVLSACBEGSRFDLNDVYVWQTSSEK 60
 QY 61 TVVTYHLPONSSLENDVSRNRALMSPAGMLRGDFSLRLEFNTYPODEQKFCVLVSQSL 120
 61 TVVTYHLPONSSLENDVSRNRALMSPAGMLRGDFSLRLEFNTYPODEQKFCVLVSQSL 120
 QY 121 GFQVLSVEVTLHYANFVSVVAPHSPODELFTCTCSINGYPRPNVYWKTDNSL 180
 121 GFQVLSVEVTLHYANFVSVVAPHSPODELFTCTCSINGYPRPNVYWKTDNSL 180
 QY 181 DOALONTVFLNMRGLDVVSVLRARTPSVNGCCIEENLLOONTLVGSQTDNGERD 240
 181 DOALONTVFLNMRGLDVVSVLRARTPSVNGCCIEENLLOONTLVGSQTDNGERD 240
 QY 241 KITEPNVSTGEKNAATWSILAVLCILVVAVALGWCRDRCLQSHYAGAAVSPETELT 299
 241 KITEPNVSTGEKNAATWSILAVLCILVVAVALGWCRDRCLQSHYAGAAVSPETELT 299

RESULT 12

US-09-915-789A-11
 Sequence 11, Application US/09915789A
 Patent No. US20020168762A1
 GENERAL INFORMATION:
 APPLICANT: Chen, Lieping
 TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATORY
 TITLE OF INVENTION: MOLECULES
 FILE REFERENCE: 07039-219001
 CURRENT APPLICATION NUMBER: US/09/915,789A
 PRIOR FILING DATE: 2002-06-04
 PRIOR APPLICATION NUMBER: US 60/220,991
 NUMBER OF SEQ ID NOS: 23
 SOFTWARE: FASTSEQ for Windows Version 4.0
 SEQ ID NO: 11
 LENGTH: 241
 TYPE: PRF
 ORGANISM: Homo sapiens
 US-09-915-789A-11

Query Match 79.4%; Score 1248; DB 9; Length 241;
 Best Local Similarity 99.6%; Pred. No. 1,3e-95;
 Matches 240; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 16 LRADQEKVRAMVSDVLSACBEGSRFDLNDVYVWQTSSEKTVYTHLPONSSLEN 75
 16 LRADQEKVRAMVSDVLSACBEGSRFDLNDVYVWQTSSEKTVYTHLPONSSLEN 75
 QY 76 VDSRRNRALMSPAGMLRGDFSLRLEFNTYPODEQKFCVLVSQSLGFQVLSVEVTLHYA 135
 76 VDSRRNRALMSPAGMLRGDFSLRLEFNTYPODEQKFCVLVSQSLGFQVLSVEVTLHYA 135
 QY 61 VDSRRNRALMSPAGMLRGDFSLRLEFNTYPODEQKFCVLVSQSLGFQVLSVEVTLHYA 120
 61 VDSRRNRALMSPAGMLRGDFSLRLEFNTYPODEQKFCVLVSQSLGFQVLSVEVTLHYA 120
 QY 136 ANFSVPVVASPHSPODELFTCTCSINGYPRPNVYWKTDNSLDOALONTVFLNMRG 195
 136 ANFSVPVVASPHSPODELFTCTCSINGYPRPNVYWKTDNSLDOALONTVFLNMRG 195

DB 121 ANFSVPVVASPHSPODELFTCTCSINGYPRPNVYWKTDNSLDOALONTVFLNMRG 180
 121 ANFSVPVVASPHSPODELFTCTCSINGYPRPNVYWKTDNSLDOALONTVFLNMRG 180
 QY 196 LYDVSVLRARTPSVNGCCIEENLLOONTLVGSQTDNGERDKITEPNVSTGEKNA 255
 196 LYDVSVLRARTPSVNGCCIEENLLOONTLVGSQTDNGERDKITEPNVSTGEKNA 255
 DB 181 LYDVSVLRARTPSVNGCCIEENLLOONTLVGSQTDNGERDKITEPNVSTGEKNA 240
 181 LYDVSVLRARTPSVNGCCIEENLLOONTLVGSQTDNGERDKITEPNVSTGEKNA 240
 QY 256 T 256
 256 T 256
 DB 241 T 241
 241 T 241

RESULT 13

US-09-866-050A-664
 Sequence 664, Application US/09866050A
 Publication No. US20030040471A1
 GENERAL INFORMATION:
 APPLICANT: Watson, James D.
 APPLICANT: Strachan, Lorna
 APPLICANT: Sleeman, Matthew
 APPLICANT: Onrust, Rene
 APPLICANT: Murison, James G.
 TITLE OF INVENTION: Compositions Isolated From Skin Cells
 TITLE OF INVENTION: and Methods for Their Use
 FILE REFERENCE: 11000,1011c4U
 CURRENT APPLICATION NUMBER: US/09/866,050A
 PRIOR FILING DATE: 2001-05-24
 NUMBER OF SEQ ID NOS: 725
 SOFTWARE: FASTSEQ for Windows Version 4.0
 SEQ ID NO: 664
 LENGTH: 307
 TYPE: PRF
 ORGANISM: Rat
 US-09-866-050A-664

Query Match 43.8%; Score 688.5; DB 9; Length 307;
 Best Local Similarity 50.8%; Pred. No. 3e-49;
 Matches 154; Conservative 40; Mismatches 96; Indels 13; Gaps 8;

QY 6 PGLFLFLFSLRADQEKVRAMVSDVLSACBEGSRFDLNDVYVWQTSSEKTVY 64
 6 PGLFLFLFSLRADQEKVRAMVSDVLSACBEGSRFDLNDVYVWQTSSEKTVY 64
 DB 10 PGLFLFLFSLRADQEKVRAMVSDVLSACBEGSRFDLNDVYVWQTSSEKTVY 69
 10 PGLFLFLFSLRADQEKVRAMVSDVLSACBEGSRFDLNDVYVWQTSSEKTVY 69
 QY 65 YHLP--QONSSLENDVSRNRALMSPAGMLRGDFSLRLEFNTYPODEQKFCVLVSQSL 122
 65 YHLP--QONSSLENDVSRNRALMSPAGMLRGDFSLRLEFNTYPODEQKFCVLVSQSL 122
 DB 70 YLPSANESSTIHVNSKRNHSLPDLKRGDSLHQNTPQDQKFCVLVSQSL 129
 70 YLPSANESSTIHVNSKRNHSLPDLKRGDSLHQNTPQDQKFCVLVSQSL 129
 QY 123 GFQVLSVEVTLHYANFVSVVAPHS--PODELFTCTCSINGYPRPNVYWKTDNSL 180
 123 GFQVLSVEVTLHYANFVSVVAPHS--PODELFTCTCSINGYPRPNVYWKTDNSL 180
 DB 130 GALEEVVRLRYANFSTPVISTSGSDPGO-ERTFTCMKNGYEPPLWYINRTDNTLI 188
 130 GALEEVVRLRYANFSTPVISTSGSDPGO-ERTFTCMKNGYEPPLWYINRTDNTLI 188
 QY 181 DOALONTVFLNMRGLDVVSVLRARTPSVNGCCIEENLLOONTLVGSQTDNGERD 240
 181 DOALONTVFLNMRGLDVVSVLRARTPSVNGCCIEENLLOONTLVGSQTDNGERD 240
 DB 189 DETLONTVFLNMRGLDVVSVLRARTPSVNGCCIEENLLOONTLVGSQTDNGERD 248
 189 DETLONTVFLNMRGLDVVSVLRARTPSVNGCCIEENLLOONTLVGSQTDNGERD 248
 QY 241 KITEPNVSTGEKNAATWSILAVLCILVVAVALGWCRDRCLQSHYAGAAVSPETEL 298
 241 KITEPNVSTGEKNAATWSILAVLCILVVAVALGWCRDRCLQSHYAGAAVSPETEL 298
 DB 249 --TERPQEHREATKVFELVALALLAVVVFITVLKCRRRPQ--SYTGRAN--QDEL 303
 249 --TERPQEHREATKVFELVALALLAVVVFITVLKCRRRPQ--SYTGRAN--QDEL 303
 QY 299 TGH 301
 299 TGH 301
 DB 304 TDH 306
 304 TDH 306

RESULT 14

US-09-910-174A-29
 Sequence 29, Application US/09910174A
 Patent No. US20020106730A1
 GENERAL INFORMATION:
 APPLICANT: CoyLe, Anthony J.
 APPLICANT: Fraser, Christopher C.
 APPLICANT: Manning, Stephen
 TITLE OF INVENTION: B7-H2 Molecules, No. US20020106730A1e1 Members of the B7

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: TITLE OF INVENTION: Family and Uses Thereof
: FILE REFERENCE: 35800/236924
: CURRENT APPLICATION NUMBER: US/09/910,174A
: CURRENT FILING DATE: 2001-07-20
: PRIOR APPLICATION NUMBER: US 09/620,461
: PRIOR FILING DATE: 2000-07-20
: NUMBER OF SEQ ID NOS: 32
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 29
: LENGTH: 322
: TYPE: PRT
: ORGANISM: Mus musculus
: US-09-910-174A-29

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Query Match	38.2%;	Score 599.5;	DB 10;	Length 322;
Best Local Similarity	46.2%;	Pred. No. 7.1e-42;		
Matches 140;	Conservative 40;	Mismatches 102;	Indels 21;	Gaps 8;

0Y 7 GLFLLFESSI.RATJOKEVRANWGSVELISCSCPEGSSFDINDVYVMQISSEXTVTYTH 66
|| || || || || || || || || || : || : || || : || |
32 GLFLLLSICAAAEETGVAMWSNVSLCIDPIRRHRHNSGLGYVWOJENPEVSOTY 91

```
Db      92 LPYISPGINADSSYKRNCHLSDMSKOGNFSLYKNTPODQTOEFLCRVENATATELVKI 151
```

QY 126 LSVETLHVANFSVPVSAPHS--PSODELFT^{CT}CTSINGYPRPNYYWINKTNDNSLDD^{QA} 183

Db 152 LEEVRLRVANESTPIVISTDSSNPGQ-ERTYCMCKSNKYPEPNLMYINTIDNSLIDTA 210

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211 LONNVTYLNKGLYDVISTLRIPWTSRGDVLCCVENVALHONITSISQAESEFTGNN----- 266

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QY 240 DKIFENPVSTGEKNAAITWSIIAVLCLLVAVVAIGWCRDRLQH-SYAGANA VSPETEL 298

```
DB 26/ --JKNPQETHNNEL---KVLVPLVLAALAAAFVSFLLIKRKIRPKRSIIGERAIV--QZEL 318
QY 299 TGH 301
```

Db	319	TDH	321
		1	1

RESULT 15
US-09-915-789A-1
Case 1:11-cv-00001-789A Document 1-1 Filed 09/15/11 Page 1 of 1

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;
; sequence 1 Application US/09915/89A
; Patent No. US20020168762A1
;
GENERAL INFORMATION:

```

APPLICANT: Chen, Lieping
TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATORY MOLECULES

FILE REFERENCE: 07039-219001
CURRENT APPLICATION NUMBER: US/09/915,789A
CURRENT FILING DATE: 2003-05-04

:
 : CURRENT FILING DATE: 2002-06-04
 : PRIOR APPLICATION NUMBER: US 60/220,991
 : PRIOR FILING DATE: 2000-07-27
 :

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;
; NUMBER OF SEQ ID NOS: 25
;
; SOFTWARE: FastSeq for Windows Version 4.0
;
; SEQ ID NO 1

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; LENGTH: 316
;
; TYPE: PRT
; ORGANISM: Homo sapiens

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US-09-915-789A-1

Query Match 18 89: Score 206: DB 0: Length 316:

Query match	10.0%	Score 2.50	bp 97	Length 210
Best Local Similarity	30.8%	Pred. 0.84e-17		
Matches 97; Conservative	42;	Mismatches 116;	Indels 60;	Gaps 13

0Y 2 RUGSC-----LFLFLSLRADTQEKYRAMVGSDELSCACPEGRFDLNDV 50

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4  RRGSGMGVHGAGALGALMFCLTGLALEVQVPEDPVVALVGTGDTLCCSFSPGEGSLAQ 63
Db
51  VYVMQTSKSTVVTYHTDONSSTLEND--SRYNRAIMSPAGMIQGFSTRLFNTVPDQF 108
ov

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[illegible]

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Search completed: May 24, 2003, 16:54:04
Job time : 16.369 secs
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Db 262 TGQPM:

[illegible]

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RESULT 2
US-09-651-200-4
Sequence 4, Application US/09651200
Patent No. 6429303
GENERAL INFORMATION:
APPLICANT: Green et al
TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
Lymphocyte Activation Antigen B-7 Family and
TITLE OF INVENTION: Polypeptides Encoded Thereby
FILE REFERENCE: 15966-562 (CURA-62)
CURRENT APPLICATION NUMBER: US/09/651,200
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/152383
PRIOR FILING DATE: 1999-09-03
PRIOR APPLICATION NUMBER: 60/172909
PRIOR FILING DATE: 1999-12-21
PRIOR APPLICATION NUMBER: 60/183578
PRIOR FILING DATE: 2000-02-18
NUMBER OF SEQ ID NOS: 25
SOFTWARE: Patentln Ver. 2.0
EO ID NO 4
LENGTH: 441
TYPE: PRT
ORGANISM: Homo sapiens
US-09-651-200-4

Query Match          17.5%; Score 274.5; DB 4; Length 441;
Best Local Similarity 30.2%; Pred. No. 3.3e-19;
Matches 88; Conservative 43; Mismatches 111; Indels 49; Gaps 12;

OY 15 SLRADTQEKVRAMGSDVELSCACPEGSRFDLNDVYVWQTSKTYVTHIPONSLE 74
DB 153 AVEQVQEDPVVALVGTDAITLRCFSPEPGFSIAQLNLWQLDTQQLV-----HFTFE 206
OY 75 NVD--SRYRNRALMSPAGMLRGDFSLRLFNVTPODEQKFCILVLSQSLGFQEVLSVEVTL 132
DB 207 GRDGSAYANRTALFPDLLAQNASLRLQWRVADGSEFTCFVSIRDFG-----SAAVSL 261
OY 133 HVAANFSVPVVASPHSPSQ-----DELFTCTSTINGYPRPNVYW-----INKTDSLLDQ 182
DB 262 QVAAPYSKP--SMTLEPNKKDLRPDVTITCSSYRGYPEAEVEWQDQGVPLTGNVTTSQ 319
OY 183 ALQNDTVFLNMRGLYDVYSRLIARTPSVNIQCCIEENVLLQONLTVGSOTGNDIGERDKI 242
DB 320 -----MANEGGLEFDVHSVLRVGLANGTYSCLVRRNPVLQDQ-AHGSVY-----I 362
OY 243 TENPVSTGEKNAATWSILAVLCLLVVAVAIGWYC-----RDRCLQHSYAGA 289
DB 363 TQGPMTPEPPE--ALMWTVGLSVCLIALLVAFVCMWRKIKQSC-EENAGA 410

RESULT 3
US-09-651-200-6
Sequence 6, Application US/09651200
Patent No. 6429303
GENERAL INFORMATION:
APPLICANT: Green et al
TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
Lymphocyte Activation Antigen B-7 Family and
TITLE OF INVENTION: Polypeptides Encoded Thereby
FILE REFERENCE: 15966-562 (CURA-62)
CURRENT APPLICATION NUMBER: US/09/651,200
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/152383
PRIOR FILING DATE: 1999-09-03
PRIOR APPLICATION NUMBER: 60/172909
PRIOR FILING DATE: 1999-12-21
PRIOR APPLICATION NUMBER: 60/183578
PRIOR FILING DATE: 2000-02-18
NUMBER OF SEQ ID NOS: 25
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 6

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LENGTH: 534
TYPE: PRT
ORGANISM: Homo sapiens
US-09-651-200-6

Query Match          17.4%; Score 273.5; DB 4; Length 534;
Best Local Similarity 30.2%; Pred. No. 5.5e-19;
Matches 88; Conservative 43; Mismatches 111; Indels 49; Gaps 12;

OY 15 SLRADTQEKVRAMGSDVELSCACPEGSRFDLNDVYVWQTSKTYVTHIPONSLE 74
DB 246 AVEQVQEDPVVALVGTDAITLRCFSPEPGFSIAQLNLWQLDTQQLV-----HFTFE 299
OY 75 NVD--SRYRNRALMSPAGMLRGDFSLRLFNVTPODEQKFCILVLSQSLGFQEVLSVEVTL 132
DB 300 GRDGSAYANRTALFPDLLAQNASLRLQWRVADGSEFTCFVSIRDFG-----SAAVSL 354
OY 133 HVAANFSVPVVASPHSPSQ-----DELFTCTSTINGYPRPNVYW-----INKTDSLLDQ 182
DB 355 QVAAPYSKP--SMTLEPNKKDLRPDVTITCSSYRGYPEAEVEWQDQGVPLTGNVTTSQ 412
OY 183 ALQNDTVFLNMRGLYDVYSRLIARTPSVNIQCCIEENVLLQONLTVGSOTGNDIGERDKI 242
DB 413 -----MANEGGLEFDVHSVLRVGLANGTYSCLVRRNPVLQDQ-AHGSVY-----I 455
OY 243 TENPVSTGEKNAATWSILAVLCLLVVAVAIGWYC-----RDRCLQHSYAGA 289
DB 456 TQGPMTPEPPE--ALMWTVGLSVCLIALLVAFVCMWRKIKQSC-EENAGA 503

RESULT 4
US-09-651-200-24
Sequence 24, Application US/09651200
Patent No. 6429303
GENERAL INFORMATION:
APPLICANT: Green et al
TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
Lymphocyte Activation Antigen B-7 Family and
TITLE OF INVENTION: Polypeptides Encoded Thereby
FILE REFERENCE: 15966-562 (CURA-62)
CURRENT APPLICATION NUMBER: US/09/651,200
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/152383
PRIOR FILING DATE: 1999-09-03
PRIOR APPLICATION NUMBER: 60/172909
PRIOR FILING DATE: 1999-12-21
PRIOR APPLICATION NUMBER: 60/183578
PRIOR FILING DATE: 2000-02-18
NUMBER OF SEQ ID NOS: 25
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 24
LENGTH: 534
TYPE: PRT
ORGANISM: Unknown
FEATURE:
OTHER INFORMATION: Description of Unknown Organism: Sequence
US-09-651-200-24

Query Match          17.4%; Score 273.5; DB 4; Length 534;
Best Local Similarity 30.2%; Pred. No. 5.5e-19;
Matches 88; Conservative 43; Mismatches 111; Indels 49; Gaps 12;

OY 15 SLRADTQEKVRAMGSDVELSCACPEGSRFDLNDVYVWQTSKTYVTHIPONSLE 74
DB 246 AVEQVQEDPVVALVGTDAITLRCFSPEPGFSIAQLNLWQLDTQQLV-----HFTFE 299
OY 75 NVD--SRYRNRALMSPAGMLRGDFSLRLFNVTPODEQKFCILVLSQSLGFQEVLSVEVTL 132
DB 300 GRDGSAYANRTALFPDLLAQNASLRLQWRVADGSEFTCFVSIRDFG-----SAAVSL 354
OY 133 HVAANFSVPVVASPHSPSQ-----DELFTCTSTINGYPRPNVYW-----INKTDSLLDQ 182

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